CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Jan. 8	St. Paul, Minn.	Jan. 4
Jan. 11	White Lake, S. D.	Jan. 4
Jan. 11	Albemarle, N. C.	Dec. 21
Jan. 12	Cleveland, O.	Dec. 21
Jan. 15	Cyril, Okla.	Dec. 14
Jan. 15	Burbank, Okla.	Jan. 4
Jan. 15	Scarboro, Ont.	Jan. 4
Jan. 22	Hinsdale, Ill.	Dec. 21
Feb. 1	Spokane, Wash.	Nov. 16

SEWERS

Jan. 9	Newark, N. J.	Dec. 21
Jan. 11	Muscatine, Ia. Adv. Jan. 4.	Jan. 4
Jan. 11	Jacksonville, Fla.	Jan. 4
Jan. 11	White Lake, S. D.	Jan. 4
Jan. 15	Buffalo, N. Y.	Jan. 4
Jan. 15	St. Petersburg, Fla. Adv. Dec. 28 and Jan. 4.	Dec. 28
Jan. 15	Wash., D. C.	Dec. 23
Jan. 16	Richmond, Va.	Dec. 21
Jan. 18	Lodi, Calif.	Jan. 4
Jan. 23	Toledo, O. Adv. Dec. 28 and Jan. 4.	Jan. 4
Jan. 24	San Francisco, Calif.	Jan. 4

WASTE DISPOSAL

Jan. 24	Fargo, N. D.	Dec. 7

BRIDGES

Jan. 9	Ft. Wayne, Ind.	Dec. 28
Jan. 13	Cambridge, Mass.	Dec 28
Jan. 23	Spokane, Wash.	Sept. 21
Jan. 23	Spartanburg, S. C.	Jan. 4
Apr. 1	Wilkes-Barre, Pa.	Dec. 14
Sept. 1, 1923,	Sydney, New South Wales, Australia	Aug. 3

DAMS

Jan. 5	Bluefield, W. Va.	Nov. 30

EXCAVATION, DRAINAGE, IRRIGATION

Jan. 9	Glencoe, Minn.	Dec. 14

STREETS AND ROADS

Jan. 5	Ohio	Jan. 4
Jan. 6	Albion, Ind.	Dec. 28
Jan. 6	Lafayette, Ind.	Dec. 28
Jan. 7	Duluth, Minn.	Sept. 28
Jan. 8	San Diego, Calif.	Dec. 28
Jan. 9	Modesto, Calif.	Dec. 28
Jan. 9	Kalamazoo, Mich.	Jan. 4
Jan. 10	La Grange, Tex.	Jan. 4
Jan. 10	Albemarle, N. C.	Dec. 21
Jan. 10	San Francisco, Calif.	Dec. 28
Jan. 10	Florida	Dec. 28
Jan. 10	Elkader, Ia.	Dec. 28
Jan. 11	Wichita, Kan.	Dec. 21
Jan. 11	Atlantic City, N. J.	Dec. 28
Jan. 11	Louisiana	Dec. 28
Jan. 11	Virginia	Dec. 28
Jan. 12	New York Adv. Jan. 4.	Jan. 4
Jan. 12	Wauwatosa, Wis.	Jan. 4
Jan. 12	Center, Tex.	Jan. 4
Jan. 15	Merced, Calif.	Jan. 4
Jan. 16	Bluffton, Ind.	Jan. 4
Jan. 16	Michigan	Dec. 28
Jan. 17	Camden, S. C.	Jan. 4
Jan. 23	Laredo, Tex. Adv. Dec. 28 and Jan. 4.	Jan. 4
Jan. 23	Spokane, Wash.	Dec. 21
Jan. 24	Faribault, Minn.	Dec. 14
Jan. 25	Ft. Smith, Ark.	Dec. 28
Jan. 28	Cisco, Tex.	Jan. 4
Jan. 30	Quebec	Dec. 28

INDUSTRIAL WORK

Jan. 8	Bridgeport, Conn.	Jan. 4
Jan. 10	Waco, Tex.	Dec. 28
Jan. 15	Great Falls, S. C.	Dec. 28

BUILDINGS

Jan. 5	Bath, N. Y.	Dec. 14
Jan. 6	Newark, N. J.	Dec. 21
Jan. 10	Nashville, Tenn.	Dec. 7
Jan. 10	Grand Rapids, Mich.	Dec. 21
Jan. 10	Baltimore, Md.	Dec. 28
Jan. 10	Baton Rouge, La.	Jan. 4
Jan. 11	Elizabeth, N. J.	Dec. 14
Jan. 15	Oxford, O.	Jan. 4

Bids Close		See Eng. News-Record
Jan. 15	Collingswood, N. J.	Jan. 4
Jan. 15	Dallas, Tex.	Dec. 21
Jan. 15	Sacramento, Calif.	Jan. 4
Jan. 15	Vancouver, B. C.	Jan. 4
Jan. 17	Baltimore, Md.	Jan. 4
Jan. 19	Monticello, Ia.	Dec. 21
Jan. 26	Omaha, Neb.	Jan. 4
Feb. 1	St. Thomas, N. D.	Jan. 4
Feb. 1	Chicago, Ill.	Dec. 21
Feb. 10	Kenosha, Wis.	Jan. 4
Mar. 23	Shreveport, La.	Nov. 9

FEDERAL GOVERNMENT WORK

Jan. 5	Dredge—Cincinnati, O.	Dec. 7
Jan. 9	Fuel Oil—Wash., D. C.	Dec. 21
Jan. 9	Extension — St. Cloud, Minn.	Dec. 21
Jan. 10	Extension—Elmira, N. Y.	Dec. 21
Jan. 12	Remodeling—Boston, Mass.	Dec. 21
Jan. 15	Metal Work — Key West, Fla.	Dec. 21
Jan. 15	Pipe Line Dredge—Cincinnati, O.	Dec. 14
Jan. 15	Dredging—Virginia	Dec. 28
Jan. 15	Scows—Wilmington, Del. Adv. Dec. 28 and Jan. 4.	Dec. 28
Jan. 15	Scows—Phila., Pa.	Dec. 28
Jan. 16	Hospital—Tacoma, Wash. Adv. Dec. 14 to Jan. 4.	Dec. 14
Jan. 16	Hull—Nashville, Tenn. Adv. Dec. 21 to Jan. 4.	Dec. 21
Jan. 17	Dredging—Phila., Pa.	Dec. 28
Jan. 17	Piers—Astoria, Ore.	Dec. 28
Jan. 18	Remodeling—Boston, Mass.	Dec. 28.
Jan. 18	Furnishing and Placing Rock —New Orleans, La.	Dec. 21
Jan. 22	Bridges—Alaska	Dec. 28
Jan. 23	Lock Operating Machinery, etc. —Huntington, W. Va. Adv. Dec. 28 and Jan. 4.	Dec. 28
Jan. 24	Levee Work—St. Louis, Mo. Adv. Dec. 28 and Jan. 4.	Dec. 28
Jan. 24	Refrigerating and Ice-Making Plant—Pearl Harbor, H. T.	Dec. 14
Jan. 26	Tower—New York, N. Y. Adv. Jan. 4.	Jan. 4
Jan. 27	Barges—Florence, Ala. Adv. Jan. 4.	Jan. 4
Jan. 29	Ward Building, etc.—Savannah, Ga.	Jan. 4
Jan. 30	Dredging Ladder — Cincinnati, O. Adv. Jan. 4.	Jan. 4
Jan. 30	Barges—Nashville, Tenn. Adv. Jan. 4.	Jan. 4
Jan. 31	Houses—Pittsburgh, Pa. Adv. Jan. 4.	Jan. 4
Feb. 1	Dredging—Galveston, Tex. Adv. Jan. 4.	Jan. 4
Feb. 14	Sluice Gates — Boise, Idaho Adv. Jan. 4.	Jan. 4
Feb. 15	Furnishing Stone, etc.—Crescent City, Calif.	Dec. 28
Feb. 15	Valves—Boise, Idaho Adv. Jan. 4.	Jan. 4

MISCELLANEOUS

Jan. 8	Rock Crusher and Grader — Minneapolis, Minn.	Dec. 28
Jan. 8	Wharf—Detroit, Mich.	Dec. 28
Jan. 8	Raising Levee—White Hall, Ill.	Jan. 4
Jan. 8	Ball Globes, etc.—St. Paul, Minn.	Jan. 4
Jan. 9	Gravel—Louisiana	Dec. 28
Jan. 10	Transmission Line Conductors —San Francisco, Calif.	Jan. 4
Jan. 10	Steam Rollers — New York, N. Y.	Jan. 4
Jan. 10	Wood Paving Blocks—New York, N. Y.	Jan. 4
Jan. 11	Heating and Ventilating Apparatus, etc. — New York, N. Y.	Jan. 4
Jan. 11	Structural Steel—New Orleans, La.	Dec. 21
Jan. 12	Sewer Brick, Portland Cement, etc.—Richmond, Va. Adv. Jan. 4.	Jan. 4
Jan. 15	Bulkhead — Jersey City, N. J. Adv. Dec. 21 to Jan. 4.	Dec. 21
Jan. 15	Power Equipment — Lamar, Mo. Adv. Jan. 4.	Jan. 4
Jan. 19	Power Plant Equipment — Memphis, Tenn.	Jan. 4
Jan. 22	Turbines—Winnipeg, Man.	Jan. 4
Jan. 23	Crane—Aberdeen, Wash. Adv. Jan. 4.	Jan. 4
Feb. 15	Dry Dock Machinery—Esquimalt, B. C.	Jan. 4

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Conn., Wallingford — Plans extending water system. $150,000. Engineer not announced. Address Bd. Selectmen.

N. Y., Lyndonville—Plans election to vote on $90,000 bonds for water and sewer main construction.

Fla., Tampa—N. S. Hill, Jr., engr., 112 East 19th St., New York City, submitted report to city, for waterworks system to bring water to Tampa from best source, sources under consideration being 8 to 21 mi. from city; extending mains in city of Tampa; pumping equipment, etc. Will vote on $1,272,000 bonds for project.

Ia., Maurice—Making plans waterworks and sanitary sewerage systems. $55,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Ia., Sac City—Plans deep well, approximately 1,300 ft. $15,000. W. Gilbert, clk.

Kan., Claflin—Having preliminary survey made for new water plant, extension to water mains and sewer laterals. $75,000. F. E. Devlin, Sedgwick Bldg., Wichita, engr.

Minn., Morris—City did not open bids Oct. 20 for pump station and crane, because of public protest against bond issue which was authorized at election, Dec. 5. Contract letting indefinite. C. F. Tweed, 531 Metropolitan Bank Bldg., Minneapolis, engr. Noted Oct. 12.

Minn., Westbrook—Rejected bids 11,375 ft. 4 in. c.i. pipe, 14 hydrants, 11 gate valves, 4,200 lb. special castings, pump unit, and building pump house. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, Ia., engrs. Noted Dec. 7.

Tex., Amarillo—Wynkoop Kiersted, consult. engrs., Interstate Bldg., Kansas City, Mo., submitted report to city, recommending waterworks improvements incl. adequate water supply, reservoir, ground wells, etc. $921,000, exclusive of dam site and right of way for proposed 24 in. gravity concrete pipe line. L. D. Marrs, mayor.

Tex., Austin—Election soon to vote on $500,000 bonds for new filteration plant, extension of mains and laterals. $500,000. Burns & McDonnell, 402 Interstate Bldg., Kansas City, Mo., engrs.

Okla., Cushing—Plans election in January to vote on $500,000 bonds for waterworks, sewers and sewage disposal plant. Former election defeated. Benahm Eng. Co., 512 Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Morris—Voted $67,000 bonds for filter plant, pumping machinery, 4 to 8 in. pipe line and concrete dam. H. G. Olmsted & Co., 415 Oil Exch. Bldg., Oklahoma City, engrs.

Ariz., Safford—Having preliminary plans prepared for supply mains, reservoir and distributing system, incl. 20 mi. wood, c.i. and steel pipe. $150,000. L. C. Kelsey, Nogales, and Portland, Ore., engr.

Calif., Williams—Defeated $60,000 bonds for water system. Noted Sept. 21.

Ont., Goderich — Plans to sink several wells and install electric centrifugal pump T R. Patterson, town engr.

B. C., Point Grey — See "Streets and Roads."

BIDS DESIRED

Pa., Allentown—Taking bids c.i. water pipe, hydrants, valves, etc. $6,000. M. W. Gross, 301 Central Fire Sta., mayor.

Minn., St. Paul—Jan. 8, by H. W. Austin, city purch. agt., six hundred and thirty-nine 12 ft. lengths Class C, and one thousand six hundred and twenty-six 12 ft. lengths Class B, c.i. pipe, and sixteen 12 ft. lengths Class A spigot pipe; 2,644 ton miscellaneous pipe; 3,177 lb. cast iron and 2,803 lb. miscellaneous steel; c.i. ladders, railing, posts, bases, fittings, flanges, iron ladders, channel stringers, for Water Dept. G. M. Shepard, city engr.

Okla., Burbank—Jan. 15, by City Clerk, constructing new waterworks and sewerage systems, 16,000 ft. 4 and 6 in. c.i. pipe. $88,000 bonds voted. J. M. Bukley, Pawhuska, engr.

Waterworks (Continued)

S. D., White Lake—Jan. 11, waterworks system incl. 12,510 lin.ft. 4-8 in. c.i. pipe, two 300 g.p.m. centrifugal pumps, or two 300 g.p.m. triplex plunger pump, one 50 g.p.m. deep well plunger pump, belt connected to gas engine with drop and discharge pipe, or one air lift well pump with compressor belt, 50,000 gal. elevated tank on 100 ft. tower, with riser pump, pumping station and 100,000 gal. rein.-con. surface reservoir. $30,000. Smith & Reeves, Mitchell, engrs.

Calif., Lodi—See "Sewers."

Ont., Kincardine—Taking bids auxilliary pump for waterworks. J. H. Scougall, Town Hall, engr.

Ont., Scarboro—Jan. 15, by W. D. Annis, secy. Utility Comn., laying 5,500 ft. 12 in., 12,000 ft. 8 in. and 14,000 ft. 6 in. pipe. James, Proctor & Redfern, 36 Toronto St., Toronto, consult. engrs.

BIDS RECEIVED

N. Y., Buffalo—A. W. Kreinheder, comr. Pub. Wks., Municipal Bldg., opened bids Dec. 27 (1) standard fittings Schedule "A" (2) special iron castings Schedule "B," from Bowler Fdry. Co., 1692 Columbus Rd., Cleveland, (1) $99 per ton (2) $189, J. B. Clow & Sons, 534 Franklin St., Chicago, (1) $57.80 (2) $190; U. S. Cast Iron Pipe & Fdry. Co., 957 East Ferry St., (1) pipe $53.90 specials $100 (2) $240; R. D. Wood & Co., 400 Chestnut St., Phila., 67 lengths 24 in. and 34 lengths 20 in. B and S Class A, $62.30 per net ton, one 24 in. plug, four 24 in. ½ bends B & S and four 15 x 24 in. sleeves, $0.07 per lb., two 20 x 24 in. flange side outlet tees, two 20 in. bell and flange tees, two 20 in. F & S ells, two 24 in. ells spigot ends and one 24 in. wall casting bell end, $0.09 per lb. Noted Dec. 21.

Pa., Phila.—Opened bids Dec. 29, (1) furnishing 6, 8 and 12 in. c.i. pipe (2) furnishing 6, 8 and 12 in. stop valves (3) fire hydrants, (4) sand machines, from R. D. Woods Co., 3rd and Chestnut Sts., (1) $26,480 (2) $8,573 (3) $17,220; U. S. Cast Iron Pipe & Fdry. Co., Morris Bldg., (1) $26,280; Donnelson Iron Wks., Baltimore, Md., (street address not available) (1) $27,562; A. B. Smith Mfg. Co., New York City, (street address not available) (2) $8,274 (3) $17,025; Choplin Valve Co., (2) $8,392; Kennedy Valve Co., 95 John St., New York City, (3) $17,198; E. M. Nichols & Co., Tacony, (Phila. P. O.) (4) $10,000.

Mich., Detroit—Bd. Water Comrs., 176 East Jefferson Ave., received bid pipe line across River Rouge at Fort St. W., incl. 1,300 lin.ft. piles, 325 cu.yd. gravel, 40 cu. yd. concrete, 430 ft. 24 in. c.i. or 430 ft. 26 in. steel pipe, from Grelling Bros. Co., 906 McDonald St., Green Bay, Wis., $34,380 for c.i. pipe, $34,583 for steel pipe.

Calif., Delhi—Delhi Land Settlement Colony, opened bids pumping plants, incl. installation, from United Iron Wks., 2308 Webster St., Oakland, $7,060; Byron Jackson Iron Wks., 55 New Montgomery St., San Francisco, $7,300; King Knight Co., 525 Market St., San Francisco, $10,541; pumping plants, not incl. installation, from Manistee Iron Wks., Rialto Bldg., San Francisco, $7,500.

CONTRACTS AWARDED

N. Y., Mayfield—Water system, to H. W. Golden & Son, Inc., Troy, $32,629; steel water tank to Pittsburgh-Des Moines Steel Co., 50 Church St., New York City, $11,000.

W. Va., Wheeling—Machinery for electrically driven pumping plant for new water and filtration system, to Worthington Pump & Mchy. Corp., 115 Bway., New York City, $76,345. Noted Dec. 14.

Ill., Mt. Prospect—Waterworks, to C. Porter Co., 111 West Washington St., Chicago, $57,000. Noted Nov. 23.

Mich., Detroit—Bd. Water Comrs. will lay 50 mi. 6-24 in. (mostly 6 and 8 in.) c.i. mains by day labor. T. A. Leisen, Waterworks Park, engr.

Minn., Minneapolis—Will install pumping unit and filter plant, 40,000,000 gal. daily capacity, by day labor. $2,673,360. Project will take 3 years to complete. N. W. Elsberg, city engr. Noted Jan. 26.

Minn., St. Paul—For 3,000 stop boxes and about 500 gate boxes, for Water Dept., to Cochran-Sargent Co., 5th and Sibley Sts., $12,374. Noted Nov. 23.

Minn., Westbrook—Well, to McCarthy Well Co., 670 Eustis Ave., St. Paul, $6,800. Noted Dec. 7.

Mo., Valley Park—Bd. Aldermen, 21,120 ft 4-8 in. c.i. distribution system, to Merkle Machine & Constr. Co., Walnut St., Kansas City, $31,103. Noted Dec. 7.

Calif., Merced—Merced Irrigation Dist., to Llewellyn Iron Wks., 1200 North Main St., Los Angeles, 2 pumps, capacities of 12 sec. ft. and 5 sec. ft. respectively against total head of 27 ft., for Booster Plant No. 2, $2,923; 2 pumps, capacities of 10½ sec. ft. and 4½ sec. ft. against total head of 20.3 ft., for Booster Plant No. 3, $2,747. Noted Nov. 30.

Sewers

PROPOSED WORK

Pa., Erie—Takes bids about April 1, completing intercepting sewerage system. $668,000. F. G. Lynch, city engr.

Pa., Phila.—Soon takes bids 2,000 ft. concrete sewer on piles in Delaware Ave. from Snyder to Bigler Sts., $60,000; covering tanks and walks with creosoted wood at Penny Pack sewage plant, $30,000; 1 mi. drainage ditch in 40th ward lowlands, $50,000. J. A. Vogelson, City Hall, engr.

Pa., Scranton—Plans relaying and repairing sewers. W. LaFontaine, dir. pub. wks.

Mich., Battle Creek—Plans to vote on $500,000 bonds for sewage disposal plant. Engineer not selected.

Mich., Springwells—Had plans prepared for 2,657 ft. of 48 in. diam., 2 ring brick, sanitary sewer, in also 3,015 ft., 24 and 60 in. circular sanitary sewer in Sect. 23. A. Roth, engr. and C. W. Hubbell, consult. engr., both at 2348 Penobscot Bldg., Detroit.

Ia., Maurice—See "Waterworks."

Mo., Neosho—Voted $50,000 bonds for sewers. Black & Veatch, 701 Mutual Bank Bldg., Kansas City, engrs. Noted Dec. 14.

Okla., Cushing—See "Waterworks."

Utah, Odgen—City Comrs. take bids early in spring 8 to 12 in. vtr. sanitary sewers in Dist. 147, $50,000; 8 to 14 in. vitr. pipe in Dist. 148, $50,000; 8 to 12 in. vitr. pipe in Dist. 149, $50,000. W. S. Graven, city engr.

Calif., Centerville—Union Sanitary Dist., for plans, to vote on bonds outfall sewers, involving 52,000 lin.ft. 6 to 14 in. vitr. pipe. G. A. Posey, Courthouse, Oakland, engr.

Calif., Corning—Having surveys made for sewage disposal line, to run to Sacramento River. W. F. Luning, Courthouse, Red Bluff, engr.

Calif., Williams—Defeated $45,000 bonds for sewerage system. Noted June 1.

B. C., Point Grey—Canadian Pacific Ry. Lands Dept., Seymour St., Vancouver, had plans prepared sewers in Shaughnessy Heights between 37th and 41st Aves. and Granville and Maple Sts. $57,000. J. N. Keer, c/o owners, engr.

BIDS DESIRED

N. Y., Buffalo—Jan. 15, by Commissioner Pub. Wks., 2,500 ft. of 5 and 4½ ft. sewer, in Starin Ave., brick, rein.-con. or vitr. segment block pipe. G. H. Norton, Municipal Bldg., engr.

Va. Richmond—See "Miscellaneous."

Fla., Jacksonville—Jan. 11, by City Comrs., laying sewers in Lydia, Cherry, Park, James, Davis, Myrtle and Clay Sts., 3,300 ft. 8 in. and 5,000 ft. 6 in. concrete or terra cotta pipe, 5,200 ft. subdrain, 1,175 ft. c.i. pipe, 500 ft. 24 in., 740 ft. 48 in., 1,630 ft. 36 in. and 1,175 ft. 30 in. rein.-con. pipe. W. E. Sheddan, city engr.

O., Toledo—Jan. 23, by W. T. Jackson, dir. Pub. Serv., constructing intercepting sewerage system, Contr. 5. Fuller & McClintock, 170 Bway., New York City, and 319 Summit-Cherry Bldg., Toledo, consult. engrs.; adv. this issue.

Ia., Muscatine—Jan. 11 by G. C. Parks, recdr., cement, concrete or vitr. clay pipe in Sub Sewerage Dist. 3 of Main Sewerage Dist. 4, also for lifting plant and discharge mains in above district. Central States Eng. Co., engrs.; adv. this issue.

S. D., White Lake—Jan. 11, sanitary sewerage system incl. 15,755 lin.ft. 8-12 in. vitr. pipe, disposal plant, Imhoff tank, etc. $30,000. Smith & Reeves, Mitchell, engrs.

Okla., Burbank—See "Waterworks."

Calif., Lodi—Jan. 18, by City Trustees, furnishing machinery for sewage disposal plant, incl. two 1,000 gal. per min. enclosed and one 800 gall per min. open runner type centrifugal pumps, 7 electric motors, one 1,400 cu.ft. air compressor with separator attached, three 450 cu.yd. air compressors, Kewanee pressure water system 2,100 gal. per hour, etc. Alternate bids for furnishing machinery only, furnishing and installing machinery or installing machinery only. Bids will be called soon for construction of activated sludge plant, pump house, concrete foundations. L. F. Barzellotti, city engr. C. F. Smith, 7 Nottingham Ave., Berkeley, consult. engr. Noted Dec. 7.

Calif., San Francisco—Jan. 24, by Bd. Pub. Wks., constructing Army St. sewer extension, 650 lin.ft. 8 x 10 ft. rein.-con. sewer, 746 lin.ft. 8 x 10 ft. rein.-con. sewer supported on piles, 890 lin.ft. 8 x 6 x 10½ ft. rein.-con. sewer, 10,700 lin.ft. piles, 230 lin.ft. 10 in., 465 lin.ft. 8 in. and 730 lin.ft. 6 in. vitr. salt glazed iron stone pipe underdrain, 400 linft. open ditch, etc., for city and San Francisco Co. $125,000. M. M. O'Shaughnessy, city engr. Noted Oct. 19.

Que., Greenfield Park—Taking bids until end of January, 13,820 ft. sewers in Edward Blvd., St. Charles Rd., St. Elizabeth St., Murray, 3rd, Springfield, Fairfield and Empire Aves., $78,102. A Vincent, Longueill, engr.

BIDS RECEIVED

O., Cleveland—Cuyahoga Co. opened bids Dec. 23, 4,193 ft. 66 and 72 in. segmental block sewer in Sewer Dist. 1, Impvt. 26, Sect. A, from J. Winterbottom, 501 Bway., $148,937; Gallagher Burke Constr. Co., 1225 Bonnieview Ave., $160,138; Munson Co., Engineers Bldg., $166,007.

Mich., Springwells—Opened bids (1) 3,015 ft. sewer in Marconi, Springwells and Pompeii Aves., 788 ft. 60 in., 1,427 ft. 48 in., 500 ft. 36 in. 300 ft. 24 in. brick, concrete and vitr. pipe, (2) 2,657 ft. 2 ring brick sewer in Colson Ave., from W. Blanck Co., 823 Ford Bldg., Detroit, (1) $43,200 (2) $38,953; Hammen & Co., 4612 Woodward Ave., Detroit, (1) $44,277; C. R. Lennane Co., 2631 Woodward Ave., Detroit, (1) $45,533, (2) $39,652; A. Rossi Co., 5307 Pennsylvania Ave., Detroit, $34,006.

Wis., North Milwaukee—Metropolitan Sewerage Comn. of Milwaukee Co., 508 Market St., Milwaukee, main sewer in 3rd St. and Hampton Rd., to 48th St. and Roosevelt Dr., (a) 965 ft. 60 in. concrete sewer (b) 8,700 ft. 42 in. concrete sewer (c) 1,800 ft. 42 in. concrete sewer in rock excav. (d) manholes, from Balliet Constr. Co., 253 Walker St., Milwaukee, (a) $30 (b) $24 (c) $26.50 (d) $25; Wenzel & Henoch, 498 27th St., Milwaukee, (a) $31 (b) $25.49 (c) $34 (d) $29; G. E. Kahn, 114 Grand Ave., Milwaukee, (a) $36 (b) $31 (c) $42 (d) $28. Noted Dec. 21.

Calif., San Marino—City opened bids constructing outfall sewers involving 12 to 20 in. vitr. pipe and 14 to 20 in. c.i. pipe, etc., from D. Milosevich, Los Angeles, (street address not available), $28,890; C. H. Frisbie Co., Mason Bldg., Los Angeles, $29,935; Shephard & Weber, Los Angeles, (street address not available), $34,990.

Calif., Turlock—Opened bids 12,750 ft. 24 in. pipe, etc., (a) using tongue and groove cement pipe, (b) glazed cement pipe (c) vitr. pipe, from Frederickson & Shannon, Cory Bldg., Fresno, (a) $1.69 (b) $1.96 (c) $2.86; Oakland Sewer Constr. Co., 1003 85th Ave., Oakland, (a) $1.70, San Joaquin Valley Cement Pipe Co., Livingston, (a) $1.90; W. J. Tobin, 527 Santa Ray Ave., Berkeley, (b) $1.95; R. H. Downer, Richmond, (b) $2.18. Noted Oct. 19.

CONTRACTS AWARDED

O., Akron—W. F. Peters, dir. Pub. Serv., to W. P. Gibbons Constr. Co., 343 The Arcade, Cleveland, Little Cuyhoga River Interceptor Contr. 3, 5, 500 ft. 8 in. vitr. clay pipe at $0.60 per ft., 4,830 ft. 57 in. brick sewer open cut $28, 675 ft. 57 in. brick sewer in tunnel $56.20, total $200,801, engrs. est. $198,216. Noted Nov. 30.

Minn., South St. Paul—Sewer extensions, to Thornton Bros. Co., 306 Central Bank Bldg., St. Paul, $115,000. Noted Nov. 30.

Neb., Clay Center—Laying sewers, to Asplund Constr. Co., Tecumseh, $38,585; disposal plant, to W. B. Carter, Sioux City, Ia., (street address not available), $20,888. Noted Dec. 7.

Tex., Houston—To E. K. High, 2408 Fletcher St., sanitary sewers in Webster and Shepherd Sts., $27,432; to C. K. Horton, Box 1394, sanitary sewers Electric Park $9,716, Lubbock St. $6,673, Quitman and Davis Sts., etc. $8,983, West Webster St. $15,010.

Tex., Port Arthur—See "Streets and Roads."

Bridges

PROPOSESD WORK

Conn., Hartford—New York, New Haven & Hartford R.R., Yellow Bldg., New Haven, preparing plans 100 ft. steel plate girder bridge on Capital Ave., here. $30,000.

Conn., New Haven—Bridge Comn. having plans prepared steel and concrete bridge on Bridge and Water Sts., over Belle Dock tracks. $60,000. E. S. Nettleton, city engr.

N. Y., New York—Bd. Estimate, Municipal Bldg., plans 1,800 ft. steel and concrete bridge, 118 ft., over East River from 1st Ave. and 8th St., here to North 5th St. and Metropolitan Ave., Brooklyn. $27,000,000.

O., Akron—City having preliminary plans prepared 2,000 ft. concrete or steel bridge on North Arlington St., connecting East Akron and North Hill, extending over Cuyahoga River, and tracks of Pennsylvania, Baltimore & Ohio, Akron, Canton & Youngstown, and Erie Railroads. $1,000,000. E. A. Kemmler, Delaware Bldg., engr.

Kan., Winfield—Cowley Co. had plans prepared bridge with two 130 ft. steel spans. W. S. Ruggles, Jr., Winfield, engr.

Wash., Ridgefield—State Hy. Comn., Olympia, having plans prepared 1,000 ft. concrete viadu across Lewis River, near here. $100,000. J. Allen, state highway engr.

Bridges (Continued)

Oregon—State Hy. Comn., Salem, plans bridge over Lewis and Clark River, near Astoria, Clatsop Co. $65,000 H. Nunn, ch. highway engr.

BIDS DESIRED

S. C., Camden—See "Streets and Roads."

S. C., Spartanburg—Jan. 23, by Spartanburg Co. Hy. Comn., 424 rein.-con. bridge over Pacolet River on State Route 8, between Spartanburg and Gaffney, 800 cu.yd. dry earth, 300 cu.yd. wet earth and 190 cu.yd. wet and dry rock excav., 2,989 cu. yd. concrete, 153,000 lb. reinforcing, 1,175 sq.yd. water proofing, 345 sq.yd. bituminous surfacing.

Ohio—See "Streets and Roads."

BIDS RECEIVED

Ill., Burnham—Cook Co. Highway Dept., Chicago, opened bids Dec. 18, superstructure of bascule bridge over Little Calumet River, here, in line of Torrance Ave. extended Sect. 82-15d (Rall type) from Strobel Steel Constr. Co., 53 West Jackson Blvd., Chicago, $173,462. Morava Constr. Co., 122 South Michigan Ave., Chicago, $192,911; (Chicago type) from Ketler-Elliott Constr. Co., 155 North Clark St., Chicago, $178,138, Overland Constr. Co., 39 South La Salle St., Chicago. $192,951. Great Lakes Dredge & Dock Co., 104 South Michigan Ave., Chicago, $209,804.

Missouri—State Hy. Dept., at div. office Hermann, opened bids Dec. 9, 662 ft. bridge, 20 ft., on road from Jefferson City to St. Louis, Federal Aid Project 219, Gasconade Co., from Kansas City Bridge Co., 510 Orear-Leslie Bldg., Kansas City, $119,220; Illinois Steel Bridge Co., Laclede Gas Bldg., St. Louis, $124,421; General Constr. Co., Syndicate Trust Bldg., St. Louis, $125,708. Noted Nov. 30.

California—State Hy. Dept., Sacramento, constructing bridge across Stony Creek, four 100 ft. steel truss spans and twenty 30 ft. rein.-con. girder approach spans, Glenn Co., from A. W. Kitchen, 110 Market St., San Francisco, $88,238; W. L. Proctor, Rosenburg Bldg., Santa Rosa, $88,827; T. H. and M. C. Polk, Chico, $94,737. Noted Dec. 7.

CONTRACTS AWARDED

Pa., Pittsburgh—Allegheny Co. bridge over Allegheny River, 40th St., Sect. 2, copper bearing steel to McClintic-Marshall Co., Oliver Bldg., $728,678; Sect. 3, paving bridge, to J. H. McQuade Sons Co., Bakewell Bldg., $68,585; Sect. 4, relocation of Ohio St., to T. Cronin Co., Carson St., $197,205; Sect. 5, ornamental brick to All Steel Equipment Co., Union Arcade, $26,272. Noted Dec. 7.

Tennessee—See "Streets and Roads."

Tenn., Ardmore—State Hy. Dept., Nashville, bridge over Elk River, Giles Co., near here, to Montgomery & Parker, Rockport, Ind., $61,483.

O., Cleveland—City and Pennsylvania R.R., temporary trestle work for grade crossing elimination, 7,000 ft. long, 16 ft. high, Douglas fir on Raymond concrete piles, along tracks from Cedar to Holton Aves., to H. E. Culbertson Co., Hanna Bldg., $427,240. Owners will take bids later on steel superstructure, concrete retaining walls and paving of approaches. Total $3,500,000.

Ill., Sterling—Whiteside Co. Road and Bridge Comn., 1,000 ft. bridge, twelve 80 ft. 6 in. arch spans, concrete pier and abutments, on 1st Ave. over Rock River, to J. Moroff & Sons, Kankakee (street address not available) $169,177. Noted Dec. 7.

S. D., Woonsocket—Sanborn Co., 340 lin. ft bridge with 100 ft. center steel truss, 18 ft. roadway, over James River, on Federal Aid Project 50, Sect. C, to Pioneer Bridge Co., Mitchell, $23,815.

Supplies — Toronto, Ont. — Contracts let for yearly supplies as follows:—lead pipe to J. Robertson Co., Spadina Ave., $10.50 per 100 lb.; c.i. pipe to Natl. Iron Corp., Cherry St., 3 in. $7.60, 4 in. $9.60, 6 in. $16, 8 in. $21.60, 10 in. $30.40, 12 in. $41.20; liquid chlorine, to Grasselli Chemical Co. Ltd., Royal Bank Bldg.; hydrants to J. T. Hepburn, Van Horne St., also stop valves, 6 in. socket $27.39, 12 in. socket $64.29; to J. Robertson & Co. Ltd., Spadina Ave., 3 in. socket and 3 in. flange $23.10, 4 in. socket and 4 in. flange, $26.40, 8 in. socket and 8 in. flange, $55; crushed stone, to T. Langton, Coldwater; refined asphalt, to Imperial Oil Co., Imperial Oil Bldg.; trap rock to Ontario Rock Co., Crown Office Bldg.; sewer pipe to Dominion Sewer & Clay Industries, Swansea, bronze and brass castings, to Booth Coulter Copper & Brass Co., 115 Sumach St., $0.21 per lb., also to Canada Metal Co. Ltd., 39 Fraser St., phosphor bronze, $0.25 per lb., brass $0.22 per lb.; pipe, fittings and valves, to Empire Brass Mfg. Co., 110 Adelaide St. W.

Dams

PROPOSESD WORK

Tex., Amarillo—See "Waterworks."

Okla., Morris—See "Waterworks."

Railways

PROPOSED WORK

Ontario — Canadian National R.R., 407 Old Union Sta., Toronto, soon takes bids for Long Lac cut off which will link Canadian Northern line with National Transcontinental line, at point 200 mi. east of Port Arthur, and will be 29 mi. in length. W. H. Bevan, Toronto, dist. engr.

Ontario — Hamilton Harbor Bd., Hamilton, plans spur lines along waterfront from tracks of Canadian Natl. Ry. to warehouse sites on Wellington St., Hamilton. $25,000. W. Ainslie, c/o Harbor Bd., engr.

Excavation, Drainage, Irrigation

PROPOSED WORK

Calif., Dixon—East Dixon Irrigation Dist. had plans prepared irrigating 60,000 acres, involving 5 pumping plants, probably 30 in. and 40 in. sizes, with electric motors, 17 mi. main canal and 40 mi. laterals. F. C. Herrmann, Merchants Exch. Bldg., San Francisco, engr.

Calif., Magnalia—T. Pearson, c/o Transportation Club, Palace Hotel, San Francisco, plans to irrigate 4,300 acres, incl. dam, 85 ft. high, 620 ft. long on top and 100 ft. long on bottom, hydraulic fill type, 28,000 ft. ditches, 5½ ft. wide, here. $85,000.

BIDS DESIRED

Ill., White Hall—See "Miscellaneous."

CONTRACTS AWARDED

Calif., Los Angeles—Bd. Harbor Comrs., excavating and filling north section of Harbor Blvd., 138,940 cu.yd. excav. and 10,000 cu.yd. fill, to C. R. Butterfield, 212 6th St., San Pedro, $57,798.

Calif., Merced—Merced Irrigation Dist., constructing Div. 2 of North Side Canal, to Blumenkranz & Vernon, Farmers and Merchants Bank Bldg., Stockton, 223,978 yd. excav. at $0.29 per yd., 28,000 yd. overhaul at $0.03, total $65,793. Noted Oct. 19.

Streets and Roads

PROPOSED WORK

Massachusetts—Metropolitan Dist. Comn., Commonwealth of Massachusetts, 1 Ashburton Pl., Boston, soon takes bids paving 3 mi. road, 20 ft., bituminous macadam, Norfolk Co. $70,000. Engineer not announced.

Conn., Bridgeport — Plans permanent pavements, $400,000. J. A. McElroy, city engr.

Conn., New Britain — Plans permanent pavements, $200,000. J. D. Williams, City engr.

N. J., Trenton—Freeholders Mercer Co. plan to rebuild 9 mi. highway, 20 ft. $385,000. W. M. Pettit, dir. of roads. H. F. Harris, co. engr.

Pa., Edinboro—Washington Twp. plans concrete base road $40,000. G. Waite, Masonic Temple, Erie, secy.

Pa., Phila.—Soon takes bids grading and paving 8½ mi. various streets. $350,000. F. C. Dunlap, City Hall, engr.

Pa., Scranton—Plans regrading and repairing unpaved streets, $55,000; relaying asphalt pavement on several streets, $32,000. W. LaFontaine, dir. pub. wks.

Fla., Bartow — Plans paving various streets, asphalt on clay. $25,000. E. V. Camp, Bartow, engr.

Fla., Key West—Voted $25,000 bonds to pave various streets. B. C. Moreno, Key West, engr. Noted Dec. 7.

Fla., Wauchula—Comrs. Hardee Co. rejected bids opened Oct. 18, paving 8 mi. road from Ona east and west, $80,000; 4 mi. from Limestone to Lily, $75,000; 10 mi. from Wauchula to Apopka Creek, $140,000; 5 mi. from Buchanan to Sweetwater, $45,500; 10 mi. from Wauchula to Ft. Green Springs, $114,000; 8 mi. from Ona to Limestone, $90,000; road from Gardner to Buchanan, $39,000; 5 mi. from Wauchula to Bowling Green, $65,000; 7 mi. from Bowling Green to Ft. Green, $92,500; 3 mi. from Bowling Green east, $29,500; 6 mi. from Apopka Creek to Highland Co. line, $34,000; 5 mi. from Wauchula southwest, $80,000; 3 mi. from Zolfo east, $40,000; 4 mi. Zolfo-Altman Rd., $50,000; 10 mi. road near Tura from Limestone to Kinsay, Zolfo to Ona, joining Altma and Zolfo Rds., $28,000. H. S. Jaudon Eng. Co., Elberton, Ga., engrs. Noted Oct. 12.

Ohio—Dept. Highways and Pub. Wks., Columbus, cancelled bids which were opened Dec. 29, grading, bridging and paving Sect. "B" Petersburg-Unity Rd., Columbiana Co.; grading and paving Sect. "J" Elyria-Twinsburg Rd., I. C. H. 36, Cuyahoga Co. Noted Dec. 21.

Ohio—Dept. Highways and Pub. Wks., Columbus, received no bids Dec. 29, grading, bridging and paving 0.619 mi. Sect. "Wauseon" Bryan-Wauseon Rd., Fulton Co., rein.-con. Noted Dec. 21.

Ind., Evansville—Vanderburgh Co. plans improving 11,420 ft. J. W. Stratton Rd., 20 ft., 12 ft. in centre, broken stone and bituminous binder, 4 ft. gravel shoulders on each side. $27,200. A. Pfafflin, Evansville, engr.

Ill., De Kalb—Making plans paving 8,000 yd. Normal Rd., $30,000; 20,000 yd. West Lincoln Highway, $80,000. Consoer Eng. Co., 140 South Dearborn St., Chicago, engrs.

Ill., West Hammond—Making plans paving 10,000 yd. Plummer Ave. $40,000. Consoer Eng. Co., 140 South Dearborn St., Chicago, engrs.

Wis., Wausau — Making plans paving 3rd, Clark and West Sts., 40 ft., various types of pavement, concrete curb and gutter. B. C. Gowen, City Hall, engr.

Ia., Merrill—Making plans paving about 30,000 sq.yd. various streets. $90,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Ia., Sloan—Making plans paving about 30,000 sq.yd. various streets. $90,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Minn., Lakeside (R. D. Buffalo Lake)—Plans paving 25,000 yd., various types. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, Ia., engrs.

Minn., St. Paul—City and Ramsey Co. plan paving 142 mi. roads. $5,293,650. G. M. Shepard, city engr.

Kan., Columbus — Cherokee Co. rejected bids received Dec. 15, concrete paving 4.585 mi. Baxter Springs Rd. 142, Sects. A and B. Will not readvertise at present. L. Noftzer, co. engr. Noted Nov. 30.

Kan., Wichita — Plans to grade, pave, curb and gutter 1 block Minneapolis St. from Douglas to English Sts., 1 block River Blvd. from Buffam to Riverside Aves., asphalthic concrete; 1 block Douglas Ave. from Madison Ave. to Spruce St., 1 block Santa Fe Ave. from Zimmerly to Bayley Sts., concrete; 4 blocks Mosley Ave. from 13th to 17th Sts., vertical fibre brick. P. L. Brockway, city engr.

Neb., Tekamah—Takes bids in about 30 days, paving various streets. $50,000. W. E. Staudeven, 741 Peters Trust Bldg., Omaha, engr.

S. D., Elkpoint—Having plans prepared paving 25,000-40,000 sq.yd. various streets. $75,000 or more. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, Ia., engrs.

Tex., Glen Rose—Somervell Co. election Jan. 16 to vote on $175,000 bond issue for road construction incl. State Highway 10-A. S. J. Cox, co. engr.

Tex., Palo Pinto—Palo Pinto Co. having plans prepared grading and bituminous macadam surfacing 10 mi. Bankhead Highway (north branch) from Metcalfe Gap to Stephens Co. line, 18 ft. $280,000. G. W. Courter, co. engr.

Calif., Daly City—Rejected bid grading 37,000 cu.yd. in Vista Grand Park. G. Kneese, Redwood City, engr. Noted Dec. 28.

Calif., Los Angeles—Plans paving Santa Barbara Ave. and Hill St., 8 in. concrete. $200,000.

Calif., Porterville—Rejected bids improving Oak St. Will revise plans for another type of pavement. Noted Dec. 21.

Calif., San Diego—Takes bids latter part of January, improving Ivanhoe Ave., Silverado St. and Torrey Rd., 192,016 sq.ft. 5 in. portland cement concrete pavement, 1,140 lin.ft. concrete curb, 5,746 sq.ft. concrete walks, 590 lin.ft. 6 in. sewer, etc. F. Rhodes, city engr. Noted Nov. 23.

Quebec—J. L. Boulanger, deputy minister of highways, Quebec, takes bids in Spring, graveling 21.4 mi. Levis-St. Lambert Highway, 22 ft., through St. Michel, St. Francois, St. Thomas and St. Antoine de la Baic Parishes also 25.5 mi. St. Bruno-Roberval Highway, 22 ft., through St. Methode, Normandin, Perilones, Delisle, St. Coeur de Marie, St. Joseph de Alma and St. Jerome Parishes, etc. M. Nectkar, ch. engr.

British Columbia — Provincial Highway Dept., Victoria, having surveys made and will take bids in February, grading and gravel surfacing 60 mi. Trans-Provincial Highway, east of Hope. P. Philip, c/o Dept. Pub. Wks., Victoria, engr.

B. C., Point Grey—Canadian Pacific Ry. Lands Dept., Seymour St., had plans prepared grading and clearing roads and complete waterworks system in Shaughnessy Heights between 37th and 41st Aves. and Granville and Maple Sts. $98,299. J. N. Ker, c/o owners engr.

Streets and Roads (Continued)

BIDS DESIRED

New York—Jan. 12, by H. S. Sisson, comr. State Hy. Dept., Albany, improving highways in Allegany, Cattaraugus, Cayuga and Tompkins, Oneida, Ontario, Rennsselaer, Rockland, Steuben and Ulster Counties; reconstruction highways in Fulton and Rensselaer Counties; adv. this issue.

S. C., Camden—Jan. 17, by Bd. Comrs. Kershaw Co., surfacing and bridging 1.8 mi. road between town limits of Kershaw and survey Sta. 97-00, 24,136 cu.yd. common excav., 4,462 cu.yd. sand clay surfacing, 267 lin.ft. rein.-con. pipe, 105 cu.yd. concrete and 8,483 lb. reinforcing, creosoted timber bridge of 9 x 14 ft. spans, incl. 254 sq.yd. bituminous paving, etc.

Ohio—Jan. 5, by Dept. Hys. and Pub. Wks., Columbus, grading bridging and paving roads in following counties:

Cuyahoga Co., Sect. "A" Solon-Willoughby Rd., and Sect. "B" Chagrin Falls-Cuyahoga Falls Rd., 2.52 mi. brick incl. brick $168,888, rein.con. $136,200, bituminous concrete and brick, $158,745, warrenite-bitulithic and brick, $164,525.

Summit Co., Sect. "I" Cleveland-Massillon Rd., 1.49 mi., rein.-con. and brick, $76,902, bituminous concrete and brick $77,352, brick $81,073; Sect. "J" Cleveland-Massillon Rd., 2.70 mi. rein.-con. $116,084, bituminous concrete $116,933, brick $124,667; Sect. "K" Cleveland-Massillon Rd., 3.44 mi. rein.-con. and brick $158,238, bituminous concrete and brick $159,170, brick $167,991; Sect. "L" Cleveland-Massillon Rd., 1.70 mi. rein.-con. $72,672, bituminous concrete $74,289, brick $78,174; Sect. "M" Cleveland-Massillon Rd., 1.39 mi. rein.-con. and brick $73,082, bituminous concrete and brick $73,435, brick $76,961. All proposals in Summit Co. will be awarded to one contractor as one contract.

Ind., Bluffton—Jan. 16, by Auditor Wells Co., grading and graveling 15,287 ft. Weaver-Byrd Rd., 16 ft. $25,199. A. Fry, Bluffton, engr.

Mich., Kalamazoo—Jan. 9, by Kalamazoo Co. Rd. Comn., grading and surfacing 1½ mi. road in Kalamazoo Twp., concrete or bituminous concrete; 3 mi. Assessment Dist. Rd. 10, waterbound macadam; 5 mi. Assessment Dist. Rd. 38, waterbound macadam.

Wis., Wauwatosa—Jan. 12, by Bd. Pub. Wks. grading 13,000 cu.yd. Wells St. from 54th St. to city limits, 7,500 sq.yd. 54th St. from Grand Ave. to city limits. $35,000. J. E. Lowther, City Hall, engr.

Tex., Center—Jan. 12, by D. R. Taylor, judge Shelby Co. grading and gravel surfacing, etc., 6 mi. State Highway 35, Federal Aid Project 280, 16 ft., 44,881 cu.yd. roadway and 36,630 cu.yd. borrow excav., 240 cu.yd. concrete, 12,088 cu.yd. gravel surfacing, 4,268 lin.ft. treated timber piling, 19,670 lb. reinforcing, etc. $84,346. I. R. Titus, Timpson, engr.

Tex., Cisco—Jan. 28, by City Com. brick paving, curbing, etc. ¾ mi. various streets. 40 ft. $30,000. Elrod Eng. Co., 3206 Elm St., Dallas, engrs. Noted Dec. 21.

Tex., La Grange — Jan. 10, by J. P. Ehlinger, judge, Fayette Co. grading and gravel surfacing 8.03 mi. State Highway 3-A Federal Aid Project 319, 18 ft., 536 cu.yd. concrete, 54,283 cu.yd. roadway and 47,723 cu.yd. borrow excav., 23,739 cu.yd. gravel surfacing, 36,848 lb. reinforcing. $71,372. A. Schlafli, co. engr.

Tex., Laredo—Jan. 23, by City Council at office of L. Villegas, mayor, paving various streets, bitulithic, limestone rock asphalt, sheet asphalt, vitr. brick and 2 course concrete; adv. this issue.

Calif., Merced—Jan. 15, by Supervs. Merced Co., paving 13.4 mi. Dos Palos and Volta sections of Pacheco Pass Highway, 69,763 lin.ft. sub-grade, 29,900 cu.yd. grading, 1,130,553 sq.ft. 1½ in. warrenite bitulithic on 3½ in. asphaltic concrete, 240 lin. ft. 12 in., 332 lin.ft. 18 in., 404 lin.ft. 24 in. and 202 lin.ft. 30 in. corrugatead metal pipe, 193 cu.yd. concrete (culverts), 3,353 lb. reinforcing, 5,373 ft. wearing surface (bridges), etc. A. E. Cowell, Merced, engr. Noted Nov. 9.

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, opened bids Dec. 21, grading, curbing and flagging (1) East 15th St. (2) Skillman Ave., paving (3) East 15th St. (4) Skillman Ave. both permanent asphalt, from T. B. Scott, 671 Halsey St., (1) $4,361 (2) $3,369; Sininelli & Sons, (1) $4,574 (2) $3,840; L. Mangieri, 190 31st St., (1) $4,609; Cranford Co., 52 9th St., (3) $8,164 (4) $4,455; Borough Asphalt Co., 1301 Metropolitan Ave., (3) $8,751 (4) $4,359; Sicilian Asphalt Paving Co., 41 Park Row, New York, (4) $4,455. Noted Dec. 14.

N. Y., Brooklyn—Park Bd. at office Dept. Parks, Municipal Bldg., New York, opened bids Dec. 28, grading and paving, etc., Bay Parkway, here, from Cranford Co., 52 9th St., $79,201; Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., $81,786; Borough Asphalt Co., 1301 Metropolitan Ave., $82,080. Noted Dec. 21.

N. Y., Richmond Hill—Park Bd. at office Dept. Parks, Municipal Bldg., New York City, opened bids Dec. 28, improving main drive in Forest Park, etc., here, from Cleveland Trinidad Paving Co., Flushing, $93,095; W. P. McDonald Constr. Co., 17 West 42nd St., New York City, $93,750; Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, $115,575. Noted Dec. 21.

Pa., Phila.—Opened bids Dec. 28, grading and paving (1) Roosevelt Blvd. from Welsh Rd. to Grant Ave. (2) Bingham St. from Devereaux Ave. to Robbins St. (3) Champlost Ave. from 19th to Ognotz Aves. (4) Blakemore St., from Lombardi & Yettman, Lincoln Bldg., (1) $153,278; Union Paving Co., 34th and Spruce Sts., (1) $158,676; Fish-Rutherford Co., Real Estate Trust Bldg., (1) $160,573; Terranti & Cellessia (street address not available) (2) $21,999; T. L. Flannigan, 1204 Montgomery Ave., (2) $22,232 (3) $52,628; Richards-Kelly Co., 349 North 57th St., (2) $25,673 (3) $47,037 (4) $29,563; R. B. Wenner, 3106 Midvale Ave., (3) $49,825 (4) $27,558; Commercial Constr. Co., 1220 Filbert St., (4) $21,540.

Ohio—Dept. Highways and Pub. Wks., Columbus, opened bids Dec. 29, grading, bridging and paving roads with (a) rein.-con. (b) brick (c) bituminous concrete (d) bitulithic (e) bitoslag (f) Kentucky rock asphalt (g) bituminous concrete, oil (h) bituminous concrete, lake in following counties: Cuyahoga Co., Sect. "A" Chagrin Falls-Cuyahoga Falls Rd., 2.75 mi., from Ohio Contg. Co., Elyria (street address not available), (a) $93,822 (b) $135,756 (c) $117,533 (f) $112,672; G. A. Stein, Niles, (a) $99,145; Turner Contg. Co., Park Theatre Bldg., Youngstown, (a) $97,014 (b) $139,072; McHugh Bros., Springfield (street address not available), (b) $140,804; Smith Constr. Co., Youngstown (street address not available), (c) $113,114 (e) $123,516; Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, (c) $121,253 (d) $133,425 (e) $133,425 (f) $117,963; Enterprise Paving & Constr. Co., 8436 Bway. Ave., Cleveland, (f) $116,991. Lorain Co., Sect. "R," 2.035 mi. Oberlin-Elyria Rd., from Ohio Contg. Co., Elyria (street address not available), (b) $93,009 (g) $76,955; Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, (b) $95,436 (g) $73,593 (h) $94,153; Hill & Hill, Elyria (street address not available), (b) $96,048; Franklin Asphalt Paving Co., 209 South High St., Columbus, (g) $70,435; A. G. Pugh, Columbus (street address not available), (h) $94,146; Cleveland Trinidad Paving Co., The Arcade, Cleveland, (h) $100,593. Montgomery Co. Sect. "R" Dayton-Greenville Rd., 3.965 mi., from E. R. Ongst, Dayton (street address not available), (a) $122,705 (f) $122,737; C. Hoolihan, 1406 Riverview St., Dayton, (a) $133,089 (f) $136,062; F. E. Milligan, Sidney, (a) $133,471; Eldorado Paving Co., Eldorado, (f) $138,419. Stark Co. Sects. "D-2 and E" Alliance-Minerva Rd., 3.96 mi., from G. W. Hadley, Goldberg Bldg., Canton, (b) $153,032; P. Christiansen, 1355 Yale Ave. N. W., Canton, (b) $154,177; Holmes Constr. Co., Millersburg, (b) $155,980. Columbiana Co., Sect. "R" Cleveland-East Liverpool Rd., 2.325 mi., from C. W. Milarr & Co., 305 Prof. Bldg., Youngstown, (b) $81,648; B. C. Stringer Co., Rayland, (b) $82,066; A. Collucci, 1109 Wilson Ave., Youngstown, (b) $82,176. Montgomery Co. Sect. "A" Germantown-Middletown Rd., 2.494 mi., grading and bridges only, from Putman & Sunday, Van Wert, $34,143; C. Crampton, Dayton (street address not available). $34,913; W. Huber, Eaton, $36,299. Noted Dec. 21.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, concrete paving (1) 5.66 mi. Route 1, Sect. 8, Edwards-Wabash Co. (2) 4.6 mi. Route 1, Sect. 9, Wabash Co. (3) 6.75 mi. Route 1, Sect. 10, Wabash Co. (4) 21.49 mi. Route 1, Combination A, Edwards-Wabash Co. (5) 3.25 mi. Route 1, Sect. 17, Lawrence Co. (6)

STRUCTURAL STEEL—FLUSHING, N. Y.

Following are lowest three bids opened by Transit Comn., 49 Lafayette St., New York City, Dec. 14, for furnishing and erecting structural steel for Route 52, Sect. 1, Flushing Route of Rapid Transit R.R., (A) Phoenix Bridge Co., Phoenixville, Pa. (awarded contract); (B) Jobson-Gifford Co., 30 East 42nd St., New York City; (C) C. Meads & Co., 217 West 14th St., New York City. The unit bids were as follows:

	A	B	C
100 cu.yd. concrete masonry	$30.00	$30.00	$22.00
7,050 tons riveted steel	84.40	89.50	91.25
200 tons steel beams and shapes	84.40	89.50	91.25
1 ton miscellaneous iron castings	120.00	200.00	150.00
1,500 lb. special wire forms	.06	.12	.10
160 lin.ft. street surface R.R., supported—(c) for electric (overhead trolley) R. R., single track	2.00	2.00	3.00
6 electric ground connections to the railroad structure	75.00	50.00	70.00
Extended totals	$615,880	$652,875	$664,963

CONDUIT—BROOKLYN, N. Y.

Following are lowest three bids opened by Bd. Water Supply, New York City, Dec. 19, for constructing Mt. Prospect Conduit of Catskill Water Supply, (A) A. Paino, 32 Court St., Brooklyn; (B) Beaver Eng. & Contg. Co., 51 Chambers St., New York City; (C) T. A. Gillespie Co., 7 Dey St., New York City. The unit bids were as follows:

	A	B	C
60,000 cu.yd. earth excavation and refilling not included in Item 2	$2.00	$4.50	$4.43
4,000 cu.yd. earth excavation and refilling under subway and bridge in Washington Avenue	2.00	7.00	14.15
4,000 cu.yd. rock excavation	1.50	2.80	5.75
100 M ft. b. m. timber and lumber under subway and bridge in Washington Avenue and that ordered left in place elsewhere	30.00	70.00	70.00
230 lin.ft. 72-in. steel pipe, ¼-in. plate, lap-joints	60.00	29.70	30.97
10,300 lin.ft. 72-in. steel pipe, 7/16 in. plate, lap joints	43.25	27.55	27.97
6,270 lin.ft. 66-in. steel pipe, 7/16-in. plate, lap joints	38.00	25.45	26.47
175 ton cast-iron pipe, straight hub-and-spigot	60.00	60.00	86.40
150 ton cast-iron hub-and-spigot specials	100.00	150.00	156.50
35 ton cast-iron flanged pipe and specials	100.00	225.00	190.00
45 ton cast-iron valve-boxes, manhole heads and covers	50.00	110.00	107.00
20,000 lb. steel castings	.20	.23	.25
380,000 lb. caring for and setting metal-work furnished by the City	.01	.015	.0075
1 72 x 36-in. Venturi meter	20,000.00	26,000.00	7,460.00
60,000 lb. structural and reinforcing steel	.01	.05	.05
15,000 lb. miscellaneous cast iron, wrought iron and steel	.02	.10	.11
7,000 bbl. Portland cement	3.00	2.60	2.70
1,000 cu.yd. concrete masonry under subway and bridge in Washington Avenue	7.00	10.00	15.50
100 cu.yd. concrete masonry as cradles for sewers and drains	7.00	12.00	10.00
2,500 cu.yd. concrete masonry under pavements and curbs	3.50	6.00	5.50
850 cu.yd. brick and concrete masonry	7.00	15.00	15.00
8,000 sq.ft. mortar lining of steel pipes	.50	.30	.35
100 cu.yd. mixing and placing grout	7.00	5.00	6.50
250 changing water services 2-in. and smaller	1.00	5.00	14.50
136-in. wet connection to 48-in. cast-iron pipe	5,000.00	13,000.00	2,700.00
5 24-in. pressure-regulating valves	2,500.00	275.00	1,237.00
15 cu.yd. crushed stone and gravel for drains	3.00	5.00	4.00
6,000 lin.ft. vitrified pipe, 3 to 8 in. in diameter	.25	1.00	.65
3,000 lin.ft. vitrified pipe, 9 to 18 in. in diameter	.75	1.50	1.35
10,000 sq.yd. asphalt pavement	1.50	2.00	1.85
150 sq.yd. wood block pavement	2.00	5.00	2.75
3,200 sq.yd. granite block pavement	2.00	3.00	1.30
3,000 sq.yd. flag sidewalks and cross-walks	.20	1.35	2.50
450 sq.yd. sheet asphalt and asphalt block sidewalks	1.50	2.25	2.25
3,000 sq.yd. cement concrete sidewalks	1.00	1.50	2.50
600 lin.ft. curb	2.00	2.00	1.00
Restoration of Fort Greene park (lump sum)	4,000.00	15,000.00	4,500.00
Extended totals	$995,305	$995,355	$1,013,656

Streets and Roads (Continued)

5.55 mi. Route 1, Sect. 18, Lawrence-Crawford Co. (7) 8.8 mi. Route 1, Combination B, Lawrence-Crawford Co. (8) 6.2 mi. Route 3, Sect. 15, Whiteside Co. (9) 5.07 mi. Route 3, Sect. 38, McDonough Co. (10) 7.38 mi. Route 8, Sect. 7, Henderson Co. (11) 7.12 mi. Route 8, Sect. 33, Woodford Co. (12) 7.12 mi. Route 8, Combination C, Woodford Co. incl. 1 grading section (13) 7.06 mi. Route 13, Sect. 6, Williamson Co. (14) 5.56 mi. Route 14, Sect. 4, Franklin Co. (15) 4.48 mi. Route 15, Sect. 21, Edwards Co. (16) 6.18 mi. Route 16, Sect. 12 Shelby Co. (17) 5.82 mi. Route 26, Sect. 1, Ogle-Stephenson Co. (18) 5.82 mi. Route 26, Combination D, Ogle-Stephenson Co., incl. 1 bridge (19) 5.17 mi. Route 26, Sect. 9, Henry Co. (20) 4.15 mi. Route 44, Sect. 17-A, Will Co. (21) 0.89 mi. Project 9, Sect. C-1, Madison Co. (22) 0.84 mi. Project 9, Sect. 38, Madison Co. (23) 1.73 mi. Project 9, Combination E, Madison Co. (24) 3.22 mi. Project 9, Combination W-1, Fayette Co. (25) 0.68 mi. Project 26, Sect. 20, Logan Co. (26) 6.76 mi. Project 26, Sect. 23, Logan Co. (27) 6.5 mi. Project 26, Sect. 24, Logan Co. (28) 13.26 mi. Project 26, Combination F, Logan Co. (29) 5.28 mi. Project 27, Sect. 36, Tazewell Co. (30) 5.7 mi. Project 40, Sect. 28, Hancock Co. (31) 6.04 mi. Project 45, Sect. 23, Morgan Co. (32) 9.62 mi. Project 46, Sect. 4, Cass Co. (33) 6.06 mi. Project 47, Sect. 64, St. Clair Co. (34) 2.99 mi. Project 47, Sect. 65, Monroe Co. (35) 9.05 mi. Project 47, Combination 6, St. Clair-Monroe Co. (36) 1.76 mi. Project 48, Sect. 37, Tazewell Co. (37) 7.04 mi. Project 48, Combination H, Tazewell Co. (38) 3.08 mi. Project 48, Sect. 11, Peoria Co. (39) 1.87 mi. Project 48, Sect. 13, Peoria Co. (40) 4.95 mi. Project 48, Combination I, Peoria Co. (41) 2.97 mi. Project 48, Sect. 16, Peoria Co. (42) 3.85 mi. Project 48, Sect. 17, Peoria Co. (43) 6.82 mi. Project 48, Combination J, Peoria Co. (44) 18.81 mi. Projects 27 and 48, Combination K, Tazewell-Peoria Co. (45) 3.24 mi. Project 49, Sect. 13, Livingston Co. (46) 5.57 mi. Project 49, Sect. 14, Livingston Co. (47) 7.8 mi. Project 49, Sect. 15, Livingston Co. (48) 16.61 mi. Project 49, Combination L, Livingston Co. (49) 0.59 mi. Project 50, Sect. 19, Coles Co. (50) 7.42 mi. Project 50, Sect. 20, Coles-Douglas Co. (51) 14.01 mi. Project 50, Combination M, Coles-Douglas Co. (52) 4.68 mi. Project 51, Sect. 5, Woodford Co.; grading (53) 35,820 cu.yd. Route 1, Sect. 12-A, Wabash Co. (54) 57,830 cu.yd. Route 1, Sect. 13-A, Wabash-Lawrence Co. (55) 22,645 cu.yd. Route 1, Sect. 15-A, Lawrence Co. (56) 215,160 cu.yd. Route 1, Sect. 16-A, Lawrence Co. (57) 237,805 cu.yd. Route 1, Combination, Q, Lawrence Co. (58) 22,645 cu.yd. Route 1, Combination R, Lawrence Co. incl. 1 bridge (59) 215,160 cu.yd. Route 1, Combination S, Lawrence Co. incl. 1 bridge (60) 215,160 cu.yd. Route 1, Combination T, Lawrence Co. incl. 1 steel bridge (61) 237,805 cu.yd. Route 1, Combination U, Lawrence Co. incl. 2 bridges (62) 237,805 cu.yd. Route 1, Combination V, Lawrence Co. incl. 1 concrete and 1 steel bridge (63) 32,000 cu.yd. Route 8, Sect. 34-A, Woodford Co. (64) 331,455 cu.yd. Route 1, Combination X, Wabash-Lawrence Co. incl. 3 bridges (65) 331,455 cu.yd. Route 1, Combination Y, Wabash-Lawrence Co. incl. 2 concrete and 1 steel bridge, from:

French Constr. Co., Fairfield, (1) $101,068 (5) $69,033 (6) $96,473 (7) $163,800 (24) $68,068.

E. B. Phizenmayer, 710 South 4th St., Terre Haute, Ind., (1) $109,155 (2) $79,590 (3) $127,998 (4) $397,467 (7) $161,846 (15) $85,259.

E. Berns & Co., Indianapolis, Ind. (street address not available), (1) $122,546 (2) $85,919 (3) $138,443 (4) $424,582 (15) $97,697.

W. O'Neill & Sons Co., Faribault, Minn., (2) $96,967 (monolithic brick), (3) $155,737 (monolithic brick), (15) $97,122 (monolithic brick).

A. J. Parrish, Paris, (4) $443,754 (9) $105,801 (10) $138,820 (29) $119,593 (31) $144,567 (36) $41,860 (38) $83,454 (57) $122,535.

Stressenreuter Bros., 3020 South Halsted St., Chicago (5) $67,247 (6) $93,919 (7) $159,355.

J. W. Etchison, Casey, (5) $70,496 (6) $99,241 (24) $68,416.

R. F. Conway, 133 West Washington St., Chicago, (8) $117,900 (9) $97,937 (10) $130,510 (12) $158,000 (16) $110,773 (17) $127,505 (18) $130,800 (19) $107,795 (20) $87,948 (29) $97,848 (30) $115,884 (36) $35,441 (37) $126,450 (38) $71,617 (39) $51,691 (41) $71,491 (42) $100,277 (44) $398,800 (45) $87,087 (46) $146,674 (48) $341,700 (52) $83,214.

The Weber Co., Ionia, Mich., (8) $128,810 (27) $143,268.

N. B. Ridge, Sterling, (8) $141,452 monolithic brick.

Russell Condon Co., Omaha, Neb., (street address not available) (9) $109,152 (26) $143,743.

G. Sheldon, 312 Putnam Bldg., Davenport, Ia. (10) $148,040 (17) $132,697 (19) $124,474.

Hedges Constr. Co., 111 West Washington St., Chicago, (11) $143,590 (12) $154,026 (16) $115,119 (29) $108,204 (36) $37,658 (37) $133,000 (38 $77,828 (39) $51,588 (40) $116,500 (41) $73,031 (42) $100,171 (43) $155,882 (52) $83,250.

I. D. Lane, Bloomington, (11) $146,580 (12) $156,262.

Mitchell Constr. Co., Marion, (13) $162,130.

Keely Bros. Contg. Co., 2100 State St., East St. Louis, (13) $164,399 (14) $133,157 (33) $126,664 (34) $53,416 (35) $175,000.

H. H. Hall Constr. Co., Murphy Bldg., East St. Louis, (14) $141,106.

L. Klotfeltner, Hillsboro, (16) $107,175 (50) $142,609.

Graham Co., Freeport, (17) $130,498 (18) $144,780.

Milburn Bros., 18th and Charles Sts., Rockford, (18) $149,505.

J. R. Hays Co., Peoria, (20) $120,589 (39) $57,012 (40) $118,580 (41) $76,977 (43) $158,464.

Reith-Reilly Constr. Co., Goshen, Ind., (20) $89,702.

H. McMullen Co., Kankakee, (20) $98,797.

List & Gifford, 415 Railway Exch. Bldg., Kansas City, Mo., (21) $20,900.

Powell & Gaven, Collinsville, (21) $22,907.

W. C. Johnson, 512 South High St., Belleville, (24) $56,413 (56) $80,446 (58) $32,105 (59) $203,832 (60) $236,600 (61) $222,385 (62) $252,181 (64) $282,784 (65) $308,138.

H. K. Rhodes, Lincoln, (25) $16,891.

Cameron, Joyce & Co., Keokuk, Ia., (26) $134,555 (27) $136,065 (30) $133,496.

Wabash Constr. Co., Vincennes, Ind., (26) $140,730 (27) $143,061 (28) $269,602 (32) $186,342 (45) $82,326 (46) $138,090 (47) $160,747 (48) $362,104.

Chicago Heights Coal Co., Chicago Heights, (28) $265,300.

Jansen & Schaefer, Pekin, (28) $274,412 (42) $103,750.

Keokuk Quarry & Constr. Co., Keokuk, Ia., (30) $117,902.

W. C. Meneeley Co., Frankfort, Ind., (31) $140,582 (32) $176,964 (46) $139,972 (48) $361,000 (49) $125,491 (50) $141,020 (51) $245,500.

Elff & Simons, Quincy, (31) $150,751.

C. E. Carson & Co., 601 St. Clair St., Chicago, (32) $178,688 (49) $133,739.

C. Degenhardt, Alton, (33) $124,050 (35) $179,000.

Hoeffken Bros., Belleville (33) $129,580 (34) $53,869.

F. L. Dieckman, 528 North 30th St., East St. Louis (34) $53,544 (35) $128,639.

L. S. Kuhn, Bloomington, (37) $169,000.

Verhey Constr. Co., Champaign (47) $150,470 (with felt joints $156,978) (49) $135,526.

Williams & Baldwin, Cleveland, O. (street address not available) (50) $146,750 (51) $254,512.

W. F. Smith & Co., Rensselaer, Ind. (51) $259,000.

D. A. Meyers, Peoria, (52) $86,207.

Townsend & Herman, Mt. Carmel (53) $20,550 (54) $25,250.

Morris & Barchny, St. Francisville, (53) $22,717 (54) $24,855.

Hazelton Gravel Co., (address not available) (53) $24,726.

D. C. Jordan & Sons, Reinhardt, (54) $26,715 (55) $8,600.

Dees Bros., Oblong (55) $9,669 (56) $70,597 (57) $79,519.

G. E. Daly, Lawrenceville (55) $10,834.

G. E. Hoffman, Lincoln (63) $8,926.

C. Schmacht, Rock Island (63) $8,940.

F. J. McCaughey, Chicago (street address not available) (56) $79,973.

New Era Constr. Co., 3735 North Halsted St., Chicago (63) $8,612. No bids received on items 22 and 23. Noted Dec. 14.

Ia., Des Moines—Polk Co., grading and concrete paving 9.062 mi. Ames-Des Moines Rd. from Ankeny north to Polk Co. line, 20 ft., (1) 106,326 sq.yd. concrete (2) 25,717 cu.yd. excav., from Koss Constr. Co., 2818 5th St. (1) $2.48 (2) $0.55; Wright Constr. Co., 211 Flynn Bldg. (1) $2.54 (2) $0.60; Empire Constr. Co., 308 Flynn Bldg., (1) $2.575 (2) $0.65.

Washington—State Hy. Dept., Olympia, opened bids Dec. 15, constructing 5.1 mi. earth road in Columbia Natl. Forest near Goldendale, (a) clearing 22 acres (b) grubbing 14 acres (c) 9,000 cu.yd. rock excav. (d) 26,000 cu.yd. common excav., etc. from K. Sauset, Grant and Carolina Sts., Bellingham, (a) $200 per acre (b) $200 per acre (c) $1.40 (d) $0.60, etc., total (with sawed guard fence) $47,419, (with rustic guard fence) $47,919, Siems & Carlson, Spokane (street address not available) (a) $200 (b) $300 (c) $1.60 (d) $0.70, etc., total (with sawed guard rail) $56,286, (with rustic gard rail) $56,086.

California—State Hy. Dept., Sacramento, grading 3.3 mi. highway between Donner Summit and Donner Lake, Nevada Co., from **J. Wilmshurst & J. Manetas, 2860 Folsom** St., San Francisco, $124,599. H. B. Boyd, 3796 Menlo Ave., East San Diego, $127,139, Nevada Constr. Co., Fallon, Nev., $142,534; grading and paving with asphaltic concrete 9.4 mi. highway between New County Well and Old County Well, Imperial Co., from G. H. Oswald, 366 East 58th St., Los Angeles, $135,000, G. R. Curtis, 2440 East 26th St., Los Angeles, $149,005. Noted Dec. 7.

Calif., El Centro—City opened bids improving (1) portions of Orange, Commercial, 3rd and 4th Sts., (a) 154,700 sq.ft. 2 in. asphaltic concrete on 5 in. concrete (b) 112,200 sq.ft. 5 in. asphaltic concrete (c) 9,300 lin.ft. curb (d) 3,800 sq.ft. 5 in. concrete gutter, etc., (2) portions of Neil, Holt, Hamilton, Vine, Wensley and 7th Sts., (e) 285,800 sq.ft. 5 in. asphaltic concrete pavement (f) 10,900 lin.ft. curb, etc., (3) portions of Olive and Brighton Aves., (g) 189,300 sq.ft. 5 in. asphaltic concrete pavement (h) 9,100 lin.ft. curb, (4) portion 2 main alleys (i) 73,100 sq.ft. 5 in. asphaltic concrete pavement, (j) 5,452 ft. 10 in. c.i. mains, (5) portions 5th, 6th, El Centro and Euclid Sts., (k) 128,600 sq.ft. 5 in. asphaltic concrete pavement, (l) 5,100 lin.ft. concrete curb (m) 618 ft. 4 in. c.i. mains, etc., from J. A. Costello, 1083 Shotwell St., San Francisco, (1a) $0.36 (1b) $0.26 (1c) $1 (1d) $0.25, etc., total $101,415, (2e) $0.26 (2f) $1, etc., total $94,993. (3g) $0.26 (3h) $1, etc., total $56,754, (4i) $0.28 (4j) $5.50, etc., total $59,334. (5k) $0.26 (5l) $1 (5m) $3, etc., total $41,482; G. Oswald, 366 East 58th St., Los Angeles, (1a) $0.38 (1b) $0.32 (1c) $0.90 (1d) $0.35, etc., total $110,803, (2e) $0.325 (2f) $0.90, etc., total $115,093, (3g) $0.325 (3h) $0.90, etc., total $68,140, (4i) $0.33 (4j) $6, etc., total $67,007, (5k) $0.33 (5l) $0.90 (5m) $3, etc., total $50,388; Warren Constr. Co., Bacon Bldg., Oakland, (1a) $0.38 (1b) $0.325 (1c) $0.90 (1d) $0.38, etc., total $112,175 (2e) $0.325 (2f) $0.90, etc., total $115,193, (3g) $0.325 (3h) $0.90, etc., total $67,852, (5k) $0.325 (5l) $0.90 (5m) $3, etc., total $49,793; G. R. Daley, 4430 Boundary St., San Diego, (4l) $0.335 (4j) $5, etc., total $62,124.

Calif., Fresno—Improving portion of M St., 100,375 sq.ft. grading, 92,840 ft. asphalt pavement, 6,920 ft. concrete gutter, 3,725 ft. concrete curb, 1,035 ft. walks, 100 ft. 12 in. culvert, from Thompson Bros., G and Divisadero Sts., $31,780; Federal Constr. Co., Griffith-McKenzie Bldg., $32,160; California Road & Street Imprvt. Co., Bank of Italy Bldg., $32,288. Noted Nov. 23.

Calif., San Diego — Common Council opened bid improving Lincoln Ave. between Georgia and Boundary Sts., from G. R. Daley, 4430 Boundary St., 4,756 cu.yd. excav. $1.60 per cu.yd., 1,085 cu.yd. earth embankment $0.65, 145,700 sq.ft. 1½ in. bituminous macadam $0.125, 22,441 sq.ft. cement concrete sidewalks $0.26, 4,871 lin. ft. cement concrete curb $0.75.

Calif., Santa Rosa—Supervs. Sonoma Co., improving Jenner-Mendocino Co. line highway, from A. J. Richardson, Stewarts Point, $147,000. Noted Dec. 14.

CONTRACTS AWARDED

S. C., Aiken—Bd. Comrs. Aiken Co., constructing 14.7 mi. State Route 39, to C. E. Teague, Augusta, Ga., $32,000. Noted Nov. 23.

S. C., Camden—Bd. Comrs. Kershaw Co., constructing and bridging, 3.3 mi. State Route 26, to T. E. Hook, New Brookland, $15,000. Noted Nov. 23.

S. C., Greenville—Greenville Co. topsoiling 15 mi. Jones Gap Rd., to J. T. Blassingame, Greenville, $178,000. Noted Nov. 2.

S. C., Newberry — Newberry Co. constructing 12.5 mi. Newberry-Broad River Rd., to Beaver & Robinson, Carlisle, $56,000. Noted Dec. 14.

S. C., Ridgeland—Jasper Co. Hy. Comn., constructing 9.7 mi. road between Ridgeland and Gillisonville, to W. H. Taylor, Ridgeland, $37,000; 9.1 mi. road between Gillisonville and Hampton Co. line, to B. A. Havird, Newberry, $41,000. Noted Nov. 23.

Tennessee—State Hy. Dept., Nashville, improving 5.7 mi. road, Federal Aid Project 63 A, Sumner Co., using Kentucky rock asphalt on 9½ in. hand placed base "C" to Moore Bros. Carr Co., 220 Capitol Blvd., Nashville, $136,781; concrete paving Federal Aid Project 41, Knox Co. 18 ft., 8 in. cement concrete, to R. L. Peters Co., Knoxville (street address not available), $85,345, bridges over 20 ft. span, $4,605.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following counties:

Streets and Roads (Continued)

Ashland Co., Sec. "B-2" Ashland-Norwalk Rd., 1.093 mi., brick, to H. Strodbeck, Ashland, $37,549.

Lake Co., Sec. "B" Cleveland-Buffalo Rd., 1,089 mi., brick, to G. Keener, Madison, $53,969.

Lake Co., Sec. "A" Painesville-Ravenna Rd., 3.42 mi., rein.-con., to L. Gage, Booth, $86,577.

Lorain Co., Sec. "E" Medina-Norwalk Rd., 2.11 mi., rein.-con., to Barnes & Tabbert, $65,173.

Lorain Co., Sec. "J" Cleveland-Sandusky Rd., 5.62 mi., bituminous concrete A-2-a, to Highway Constr. Co., Elyria, $165,929.

Medina County, Sec. "Medina West" Ashland-Medina Rd., .83 mi., brick, to H. Strodbeck, Ashland, $40,521. Noted Dec. 28.

Ind., Indianapolis—Marion Co., grading and graveling 17,205 ft. Muesing Rd., 16 ft., to Smith Hawkins, 2937 Ruckle St., $25,304. Engrs. est. $27,454.

Ind., Jeffersonville — Clark Co. paving 12,000 ft. Spriestersbach Rd., 20 ft., macadam, to C. Lutz, Charleston, $25,500. Engrs. est. $28,200.

Ind., Laporte—Laporte Co., grading and graveling 15,150 ft. W. J. Schumaker Rd., 16 ft., to Jenkins & McKenzie, Laporte, $25,870. Engrs. est. $28,964. Noted Oct. 26.

Michigan — State Hy. Dept., Lansing, grading and surfacing 12.871 mi. Federal Aid Project 80, Sect. F, Machinac Co., to S. J. Groves & Sons Co., 120 Manhattan Bldg., Duluth, Minn., incl. 12.5 acres clearing $125, 54,571 cu.yd. excav. $0.48, 142.6 cu.yd. 1:2:4 concrete $25, 101.7 cu.yd. 1:3:6 concrete $22, 135,826 sq.yd. gravel surface, Class B, $0.84, total $155,347. Noted Nov. 23.

Michigan — State Hy. Dept., Lansing, grading and surfacing 14.865 mi. Federal Aid Project 62 Wayne Co., to Wayne Co. Rd. Comn., Detroit, incl. 63,268 cu.yd. excav. $0.50, 697.9 cu.yd. 1:2:4 concrete $20.-70, 148.6 cu.yd. 1:3:6 concrete $19.70, 155,-767 sq.yd. rein.-con. pavement $2.85, 18,213 sq.yd. rein.-con. pavement $2.98, total $559,-804. Noted Nov. 9.

Minn., Duluth—St. Louis Co., gravel surfacing 18.2 mi. State Job 2215 on State Rd. 35, 24 ft., from Sandau to Ely, to C. R. McLean, 315 South 21st Ave. E, $37,053. Noted Nov. 30.

Mo., Clayton—St. Louis Co., 8,200 ft. Kirkwood Rd., 21, 30 and 34 ft. wide, incl. 11,600 cu.yd. excav. and grading, 23,700 sq.yd. rein.-con. paving, to J. McMahon, Title Guaranty Bldg., St. Louis, $70,203; Lackland Rd. incl. 9,943 cu.yd. excav. and grading, 385 sq.yd. Class B concrete, 19.7 sq.yd. Class C concrete, etc., to J. Rothwell, 731 North Euclid Ave., St. Louis, $17,663; 2,792 sq.yd. crushed stone to pave Florissant Rd. from northern limits of Ferguson to St. Francois St. in St. Ferdinand, then along St. Francois St. to Ferdinand St. and Graham Rd., also 2,432 sq.yd. crushed stone for paving New Halls Ferry Rd. from Old Halls Ferry Rd. to Parker Rd., to Bambrick Bros. Constr. Co., 5529 St. Louis Ave., St. Louis, $24,849 and $22,253 respectively; 3,200 sq.yd. crushed stone for paving Bellefontaine Rd. from city limits of St. Louis to Marimore Rd., and 2,205 sq. yd. crushed stone for Old Halls Ferry Rd. from New Halls Ferry Rd. to Black Jack and Parker Rd., to Union Quarry & Constr. Co. 4687 Natural Bridge Ave., St. Louis, $27,904 and $20,837 respectively.

Tex., Coleman—Coleman Co. grading and graveling to Womack Constr Co., Sherman, 8 mi. Coleman-Comanche Rd., 16 ft., $52,986, 11 mi. Coleman-Red Bank Rd., 9 ft., $32,627, 9 mi. Santa Anna Buffalo Gap Rd., 16 ft., $42,990, 12 mi. Santa Anna Trickham Rd., 16 ft., $92,877, 6 mi. Camp Colorado Rd., 16 ft., $37,429, 9 mi. Whon Rd., 9 ft., $16,091. Noted Dec. 28.

Tex., Edinburg—Hidalgo Co. paving 13.92 mi. State Highway 12, Federal Aid Project 301, 18 ft., base and drainage structures to W. L. Pearson & Co. 827 First Natl. Bank Bldg., Houston, $298,188; bituminous top, to Smith Bros. Sumpter Bldg., Dallas, $154,330. Noted Dec. 21.

Tex., Pecos—Reeves Co. grading, gravel surfacing, etc., 3.75 mi. State Highway 17-A and 4.54 mi. State Highway 27, Old Spanish Trail, to Tibbetts Constr. Co., 209½ 8th St., Ft. Worth, $17,739 and $27,181 respectively. Noted Dec. 21.

Tex., Port Arthur—For 18,800 sq.yd. asphalt paving on 6 in. concrete, 4,985 ft. curb and gutter, 6,000 ft. storm sewer in various streets, to Smith Bros., Crockett, $100,000.

Wash., Seattle—Paving 11th Ave. N., et al., 7,300 sq.yd. 6 in. concrete, 665 lin.ft. asphaltic concrete and 4,075 lin.ft. concrete curbing, 1,800 cu.yd. earth excav., to R. G. Stevenson, 1327 North 34th St., $25,859. Engrs. est. $27,664. Noted Dec. 21.

Oregon—State Hy. Comn., Salem, grading and surfacing 8.73 mi. Goshen-Lowell Sect., Willamette Highway, Lane Co., to Warren Constr. Co., Craig Rd., Portland, $82,571; 4.12 mi. Goldson-Chishin Sect. Willamette Valley-Florence Highway, Lane Co., to A. C. Mathews, Eugene, 19,700 cu. yd. common excav. $0.35, 2,000 cu.yd. intermediate $0.45 and 1,100 cu.yd. solid rock $1.50, 880 lin.ft. 12 in. plain concrete pipe $1, 130 ft. 18 in. rein.-con. pipe $2, 30 cu.yd. Class C concrete $15, 9,000 cu.yd. broken stone or gravel surfacing $2.75, 800 cu.yd. broken stone or gravel for maintenance $2.50, etc., total $40,920; 0.62 mi. Murder Creek Sect. Pacific Highway, Linn Co., to Solheim & Gustafson, Astoria, 6,000 sq.yd. type A concrete pavement $2.25, 360 cu.yd. broken gravel $2.25, etc., total $15,273; 7.4 mi. Sandy-Cherryvale Sect. Mt. Hood Loop Highway, Clackamas Co., to A. D. Kern, 519 Lumber Exch. Bldg., Portland, 9,000 cu.yd, broken stone or crushed gravel $2.34, 1,400 cu.yd. maintenance gravel $2.34, total $24,336; 0.91 mi. Ravier Sect., Columbia River Highway, Columbia Co., to A. D. Kern, 519 Lumber Exch. Bldg., Portland, 9,850 sq.yd. cement concrete pavement $2.11, 600 cu.yd. broken stone shoulders $2.60, 14,125 sq.yd. preparing subgrade $0.05, etc., total $23,713.

California—State Hy. Dept., Sacramento, Yuba Co., paving with asphalt macadam 8.2 mi. highway between Morrisons Crossing and 1 mi. south of Marysville, to Blumenkranz & Vernon, Farmers and Merchants Bank Bldg., Stockton, $141,275; grading and paving with asphalt macadam 8.2 mi. between Hollister and Pacheco Pass Rd., San Benito and Santa Clara Counties, to Granite Constr. Co., Watsonville, $131,732, 14.2 mi. between westerly boundary and Califa, Madera Co., to R. T. Shea, 169 West 7th St., Riverside, $193,648; grading and concrete paving 1.8 mi. between Hercules and Rodeo, Contra Costa Co., to L. Tagnon, 1735 Napa St., Vallejo, $33,519; grading 7.4 mi. between point 3¾ mi. southeasterly from Hueneme Rd. and Rindge Panch, Ventura Co., to Hauser Constr. Co., 1109 Hobart Bldg., San Francisco, $598,085. Noted Dec. 28.

California—State Hy. Dept., Sacramento, surfacing with asphaltic concrete 5 mi. highway between Roseville and Lincoln, Placer Co., to J. A. Costello, Jr., 512 Mission St., San Francisco, $35,530; gravel surfacing 11.9 mi. between Willows and Glenn, Glenn Co., to V. R. Dennis Constr. Co., McMinnville, Oregon, $124,150; grading 8.9 mi. between Parkfield Junction and Coalinga, Fresno Co., to C. Miles, 2509 L St., Sacramento, $120,803; bridge over Northwestern Pacific R.R. near Lytton, to C. H. Gildersleeve, Ukiah, $7,560. Noted Dec. 21.

Calif., San Francisco — City and San Francisco Co., improving north ½ Sloat Blvd. between 19th and 35th Aves., to Eaton & Smith, 407-11th St., $40,267. Noted Dec. 21.

Industrial Works

PROPOSED WORK

Me., Houlton—Bangor & Aroostook R.R., Graham Bldg., Bangor, plans 1 story car shops, at freight yards, here, to replace those destroyed by fire. $60,000. Private plans.

N. H., Concord—Boston & Maine R.R., North Station, Boston, having plans prepared 1 story car shops, brick and steel, at freight yards, here. $225,000. Private plans.

N. Y., Buffalo—Eagles & Kiener, 3074 Main St., plans 1 story, 60 x 100 ft., brick and steel garage and service station, Main St. $40,000. Architect not announced.

N. Y., Buffalo—Flexlume Sign Co., 74 Kail St., plans concrete, brick and steel factory, Skillen St and Military Rd. $40,-000. Architect not selected.

N. Y., Buffalo—International Ry., Ellicott Sq., plans to rebuild its Cold Springs car shop and barns, recently destroyed by fire. $250-$300,000.

N. Y., Jamestown—Jamestown Metal Desk Co., 104 Blackstone Ave., plans 1 story, 100 x 200 ft. factory, brick and stone, Blackstone Ave. $40,000. Beck & Tinkham, 317 Washington St., archts.

Pa., Blossburg—Gannett, Seeley & Fleming, Inc., Wellsboro, plan 1 story, 80 x 90 ft. rein.-con. and steel power plant, here. $150,000.

Pa., Pittsburgh — R. P. McCurdy Co., Baum Blvd. and Craig St., having plans prepared by Hunting-Davis Co., archts., Century Bldg., 3 story and basement, 120 x 120 ft. tile and terra cotta garage, Millvale Ave. and Baum Blvd. $300,000.

W. Va., Logan—Miller-Logan Supply, c/o J. C. Miller, 1508 5th Ave., having plans prepared by Meanor & Handloser, archts., Robson-Prichard Bldg., Huntington, 6 story and basement, 100 x 103 ft., brick and tile warehouse. $150,000.

Ala., Mobile—Benner Lumber Co., plans to rebuild major portion of lumber mill, destroyed by fire. $150,000.

O., Alliance — Alliance Machine Steel Castings Co. having plans prepared 1 story, 75 x 600 ft. plant addition. Private plans.

O., Dayton—Miami Ice & Fuel Co., Ludlow Bldg., having plans prepared by A. C. Bishop Co., archts. and engrs., Guardian Bldg., Cleveland, 1 story, brick and steel plant. $250,000. P. B. Hunt, pres. Noted Aug. 31.

O., Cleveland—Atlas Fdry. Co. c/o J. H. Bruce, pres., Shaw Ave. along tracks of Cleveland, Cincinnati, Chicago and St. Louis, Ry., had plans prepared by J. E. A. Moore, archt., 1900 Euclid Ave., 1 story, 100 x 140 ft. foundry, brick and steel, West 69th St. along tracks of Wheeling and Lake Erie R.R. $60,000.

O., Cleveland—Standard Equipment Co., West 106th St. and Lorain Ave., had plans prepared 1 story, brick and steel factory addition. O. J. Ashman, mgr. $75,000.

O., Oakley (Cincinnati P. O.)—Williamson Heater Co., 335 West 5th St., plans to rebuild portion of heater factory, recently destroyed by fire. $100,000. Architect not announced.

O., Youngstown—Baldwins Flour Mill, Oak Hill Ave., plans to rebuild mill, destroyed by fire. $50,000. B. M. Baldwin, mgr. Architect not announced.

O., Zanesville—Mark Mfg. Co., Putnam Ave., plans to rebuild portion of conduit plant, destroyed by fire. $100,000. Architect not announced.

Ind., Auburn—City plans 1 story addition to light plant. $60,000. E. Weiland, city mgr.

Ind., East Chicago—Bates Expanded Steel Truss Co., Forsythe St., plans first unit of plant, 1 story, 80 x 120 ft., brick and steel. $100,000. Private plans.

Ind., South Bend — Studebaker Corp., Main and Bronson Sts., plans 4 story and basement, 120 x 700 ft. factory addition, rein.-con. $450,000. Architect not selected.

Mich., Mottville—Michigan Gas & Electric Co., Three Rivers, having tentative plans prepared 1 story rein.-con. power house, 2,500 hp. 2,000 kw., along St. Joseph River, here. $400,000. Private plans.

Ill., Chicago—J. A. Hannah, 1045 Fulton Market, plans 1 story, 100 x 133 ft. garage, rein.-con., brick and steel, 1215-23 West Harrison St. $40,000. C. E. Frazier, 30 North Dearborn St., archt.

Ill., Mt. Vernon—Mt. Vernon Car Mfg. Co. plans 1 story, 150 x 500 ft. car shop, brick. $50,000. Private plans.

Wis., Mukwonago—Weinburg Bros. having plans prepared by C. F. Ringer & Son, archts., 432 Bway., Milwaukee, 2 story, concrete garage. $40,000.

Wis., Nekoosa—Nekoosa Creamery Com., c/o W. A. Radke, chn., plans 2 story, brick, rein.-con. and steel dairy, plain foundation. $40,000. Architect not selected.

Wis., Sheboygan—Badger State Tannery Co., c/o F. Zschetzsche, mgr., South Water and Maryland Sts., plans 4 story, 50 x 95 ft., addition to tannery, brick, rein.-con. and steel, plain foundation. Water St. $50,-000. Architect not selected.

Ia., Cedar Rapids—Sieg Co., 5th and Iowa Sts., Davenport, having plans prepared 2 story and basement, 60 x 140 ft. pump manufacturing plant, brick and concrete, 2nd Ave. between 6th and 7th Sts., here. $70,000. R. Vorkoper, local mgr. Architect not announced.

Ia., Clarinda—Swift & Co., 76 West Monroe St., Chicago, had surveys made by A. S. Van Sandt, engr., Clarinda, 2 story and basement, 76 x 144 ft. cold storage plant, brick and concrete, here. $125,000. H. Gilmore, mgr.

Ark., Hot Springs—Beasely Lumber Co., Winona Ave., plans to rebuild plant recently destroyed by fire. $40,000. Architect not announced.

Mo., Kansas City—Amer. Butter Co., c/o F. E. McIlvain, archt., 1001 Orear-Leslie Bldg., having plans prepared 5 story and basement, 75 x 130 ft. warehouse, rein.-con., brick and terra cotta, Pershing Rd. and Bway. $125,000-$150,000.

Tex., Dallas—Ginner & Miller Publishing Co., 1802 Jackson St., had plans prepared and soon takes bids 2 story, book bindery, brick, plain foundation, Commerce and Murray Sts. $60,000. Architect not announced.

Tex., Dallas—Lang & Witchell, archts., Amer. Exch. Natl. Bank Bldg., takes bids latter part of January or first of February, 7 story and basement, loft and warehouse addition, for Higginbotham Bailey Logan Co., Jackson and Lamar Sts. $500,000.

Tex., Dallas — Texas Oklahoma Phonograph Co., 908 Commerce St., had preliminary plans prepared 3 story and basement, factory and warehouse, timber, McKinney Ave. $50,000. A. C. Dennis, mgr. Architect not announced.

Tex., Graham—Le Sage Motor Co., c/o M. K. Graham, plans 2 story, 75 x 100 ft.

Industrial Works (Continued)

brick garage. $45,000. Architect not announced.

Tex., Greenville—Greenville Mill & Elevator Co., c/o G. M. Richter, plans additions to present plant. $100,000. Architect not selected.

N. M., Bernalillo—White Pine Lumber Co. plans new lumber mill. $500,000. Architect not announced.

Calif., Fresno—Sunshine Bakery Co., 1020 Fresno St., plans 2 story, brick and steel plant, Van Ness and California Sts. $60,000.

Calif., Fullerton—Placienda Orange Growers Assn., plans refrigerating and precooling plant. $150,000.

Calif., Los Angeles—Union Pacific R.R., 15th and Dodge Sts., Omaha, Neb., soon takes bids constructing engine house, locomotive shop, coach and car shop, new terminal yard, etc., here. Cost between $1,500,000 and $2,000,000. R. L. Huntley, ch. engr.

Calif., Sacramento—Lindley & Co., 220 K St., having plans prepared by Dean & Dean, archts., City Library Bldg., 1 story and basement, rein.-con. warehouse, 3rd and Q Sts. $100,000.

Calif., San Francisco—L. R. Lurie, Mills Bldg., had plans prepared by O'Brien Bros., Inc., archts., 240 Montgomery St., 2 story, 120 x 192 ft., rein.-con. garage, Fell and Gough Sts. $100,000. Pacific Telephone & Telegraph Co., 333 Grant Ave., lessee.

Calif., Stockton—Sattui Bros. Motor Co. 215 North Sutter St., plans 2 story, fireproof garage, South Hunter and Market Sts. $40,000.

Calif., Stockton—Terminal Cold Storage & Warehouse Co., c/o N. E. MacLean, archt., 16 California St., San Francisco, having plans prepared pre-cooling plant, fireproof, Main Channel and Mormon Slough. $260,000.

Ont., Ottawa—McAuliffe Davis Lumber Co., 57 Duke St., plans lumber mill. $40,000. Architect not announced.

BIDS DESIRED

Conn., Bridgeport—Jan. 8, by Fletcher-Thompson, Inc., archts. and engrs., 542 Fairfield Ave., 3 story, 170 ft. front, factory, brick and timber, plain foundation, Federal St., for A. V. Langenegger, 2190 Park Ave. $150,000. Noted Nov. 30.

N. Y., Tonawanda—Amer. Kardex Co., Main St., taking bids 2 story, 50 x 160 ft., brick addition to factory. $70,000. L. Eggert, 35 Elmwood Ave., archt. Noted Dec. 17.

Pa., Phila.—C. K. Johnson, c/o P. H. Tyre, archt., 1509 Arch St., taking bids 2 story and basement, 40 x 68 x 76 x 96 ft. rein.-con., brick and steel garage, plain foundation, 15th and Passyunk Aves. $50,000.

Pa., Phila.—P. H. Tyre, archt., 1509 Arch St., taking bids 4 story and basement, 122 x 220 ft. rein.-con. and brick garage and service station, plain foundation, 30th and Market Sts., for G. A. Wileys Motor Co., Broad and Vine Sts. $150,000.

Ill., Chicago — W. P. Doerr, archt., 28 East Jackson Blvd., receiving bids 2 story, 100 x 136 ft. bakery, rein.-con., brick and steel, 325-29 East 26th St. $50,000. Owner's name withheld.

BIDS RECEIVED

La., New Orleans — Weis & Dreyfous, archts., Mason Blanche Bldg., opened bids 2 story addition to factory, Bayou Rd. and Claiborne St., from R. P. Farnsworth & Co., 808 Perdid St., $58,892; Geary-Oakes Inc., Guarantee Title Bldg., $61,759; J. A. Rodick, S. Charles and Palmer Sts., $62,875, for J. Sternberg, Bayou Rd. and Claiborne St.

CONTRACTS AWARDED

R. I., East Providence (Providence P. O.)—United Electric Rys. Co., Providence, 1 and 2 story, 170 x 535 ft. car house, brick and steel, plain foundation, North Bway., here, to W. H. Hamlyn & Son, 35 Greenwich St., Providence. Archts. est. $400,000. Noted Dec. 14.

N. Y., Long Island City—Latham Lithographing & Printing Co., 33 West 42nd St., New York, 150 x 250 ft. printing plant, rein.-con., brick, steel aand stucco, plain foundation, here, to Walter Kidde & Co., Inc., 140 Cedar St., New York. Engrs. est. $450,000.

N. Y., New York — S. Rubin, c/o C. Shaefer, Jr., archt. and engr., 394 East 150th St., will build 1 story garage, brick, steel and concrete, Webster Ave., by day labor. $45,000.

Pa., Berwyn—Suburban Ice Co., 2 story, 60 x 110 ft., rein.-con. and brick garage and repair shop, plain foundation, to Merion Constr. Co., 2313 Walnut St., Phila. Archts. est. $50,000.

Pa., Chester — Stauffer Chemical Co., Front St., 1 and 2 story, brick and steel factory, plain foundation, Front St., to Chester Constr. Co., Chester, $157,000.

SUBWAY—BROOKLYN, N. Y.

Following are lowest three bids opened by Transit Comn., 49 Lafayette St., New York City, Dec. 22, for constructing subsurface railroad extending along and under 4th Ave. from 87th to 95th Sts., (A) T. A. Gillespie Co., 7 Dey St., New York City, (awarded contract); (B) Oakdale Contg. Co., Inc., Harris Ave., Long Island City; (C) H. Newman, 79 Court St. The unit bids were as follows:

	A	B	C
175,000 cu.yd. earth excavation	$3.70	$4.90	$3.60
200 cu.yd. earth excavation for sewers, etc.	4.00	5.00	3.60
Maintaining No. 8724-4th Ave. (lump sum)	3,000.00	500.00	1,750.00
Maintaining No. 9002-4 4th Ave. (lump sum)	4,000.00	800.00	2,500.00
Maintaining No. 9102 4 4th Ave. (lump sum)	4,000.00	1,000.00	2,300.00
Maintaining No. 9306 4th Ave. (lump sum)	3,000.00	500.00	1,750.00
Maintaining No. 9312 4th Ave. (lump sum)	3,000.00	500.00	1,300.00
Maintaining No. 9318 4th Ave. (lump sum)	2,000.00	500.00	1,700.00
Maintaining public library, 4th Ave. and 95th St. (lump sum)	2,000.00	500.00	3,000.00
Maintaining No. 9502 4th Ave. (lump sum)	3,000.00	500.00	1,300.00
10—furnishing and setting trees	80.00	10.00	25.00
20,000 cu.yd. concrete masonry, in place	14.32	13.35	18.50
45,000 sq.ft. rubbing to smooth finish surface of concrete	.10	.5	.03
2,000 cu.yd. protective concrete masonry, in place	15.00	13.00	18.50
225 cu.yd. brick masonry, in place	30.00	30.00	38.00
Removing of bulkhead, existing subway, 4th Ave. and 87th St. (lump sum)	500.00	600.00	500.00
700 cu.yd. hollow terra cotta brick or tile masonry, in place	25.00	30.00	33.00
50 lin.ft. 4½ in. x 13 in. terra cotta flue lining, in place	1.00	1.40	1.00
100 bbl. grout of portland cement	6.00	6.00	6.00
100 cu.yd. broken stone or gravel	4.00	4.50	6.00
3,700 sq.yd. waterproofing, one ply	1.00	.80	.75
19,000 sq.yd. waterproofing, three ply	1.50	1.45	2.00
100 sq.yd. waterproofing, six ply	2.50	3.00	4.00
100 sq.yd. waterproofing, dry ply	.75	.50	.50
550 cu.yd. waterproofing brick laid in asphalt mastic	40.00	40.00	40.00
300 lin.ft. cast-iron pipe and fittings, 3 in., in place	1.00	1.00	2.00
1,250 lin.ft. cast-iron pipe and fittings, 6 in., in place	1.50	1.40	3.00
3,000 lin.ft. cast-iron pipe and fittings, 8 in., in place	2.00	2.00	8.00
70,000 duct. ft. tunnel ducts, in place	.20	.20	.40
460 duct. ft. fibre ducts, in place	.50	.70	3.00
1,156 tons riveted steel, painted and erected	96.00	95.00	90.00
2 tons steel ladders, stairs, railings, etc.	300.00	186.00	200.00
1,800 tons steel beams and shapes, painted and erected	96.00	85.00	90.00
80 tons steel rods and bars built in concrete	80.00	80.00	120.00
4 tons miscellaneous iron castings, in place	150.00	143.00	150.00
10 tons miscellaneous iron furnishings for sewer manholes, etc.	150.00	143.00	150.00
200 lb. special wire forms, in place	.20	.30	1.00
1,800 lin.ft. 1½ in. oak or ash hand rail, in place	.30	.50	.52
3,800 sq.ft. steel gratings for ventilation, in place	3.00	2.50	6.00
1,000 sq.ft. vault lights, in place	2.50	2.50	2.00
1,600 sq.yd. sidewalks restored	1.00	3.00	3.00
14,000 sq.yd. roadway restored, asphalt	4.00	3.00	5.00
100 sq.yd. roadway restored, granite block	5.00	3.00	5.00
1,100 lin.ft. new bluestone curb, in place	2.00	1.70	1.50
400 sq.yd. upper 3 in. concrete walls	2.00	2.00	3.00
5,600 lin.ft. ¾ in. wrought steel electric conduits	.30	.30	.25
50 lin.ft. 1½ in. wrought-steel electric conduits	.60	.70	.50
2,400 lin.ft. 1 in. wrought-steel electric conduits	.40	.50	.40
430—cast-iron outlet boxes, in place	1.00	1.00	1.50
10—cast-iron pull boxes, in place	3.00	3.00	5.00
100 lin.ft. cast-iron pipe and fittings, 6-in., in place	2.00	1.60	3.00
100 lin.ft. cast-iron pipe and fittings, 3-in., in place	1.50	1.20	3.00
50 lin.ft. cast-iron pipe and fittings, 4-in., in place	1.80	1.50	3.00
50 lin.ft. cast-iron pipe and fittings, 8-in., in place	2.50	3.00	3.00
1,200 lin.ft. sewer pipe, 12 in. vitrified	3.00	1.90	5.50
260 lin.ft. sewer pipe, 15 in. vitrified	4.00	3.60	6.50
350 lin.ft. sewer pipe, 18 in. vitrified	5.00	4.00	8.00
300 lin.ft. sewer pipe, 24 in. vitrified	7.00	6.00	11.00
2 tons sewer pipe, cast-iron (straight pipe)	100.00	80.00	150.00
1 ton sewer pipe, cast-iron (special castings)	150.00	110.00	400.00
450 lin.ft. concrete sewers, 3 ft. 6 in. x 2 ft. 4 in.	12.00	11.50	10.00
50 lin.ft. water pipe, 6 in.	1.50	1.50	3.00
200 ft. water pipe, 8 in.	2.50	2.15	3.00
10—service connections for water pipes	25.00	35.00	25.00
50 lin.ft. cast-iron gas pipe, 4 in.	1.00	1.00	3.00
50 lin.ft. cast-iron gas pipe, 6 in.	1.50	1.50	3.00
10—service connections for gas pipes	25.00	30.00	35.00
3 tons new cast-iron hub and spigot pipe, straight	60.00	81.00	100.00
2 tons new cast-iron hub and spigot pipe, special castings	150.00	120.00	250.00
100 duct.ft. electric ducts and conduits	.50	1.00	1.00
5—service connections for electric ducts	50.00	30.00	50.00
100 duct.ft. fibre ducts and conduits	.50	.70	1.00
Extended totals	$1,485,151	$1,615,500	$1,617,971

Pa., Pittsburgh—Van Kleek Motor Co., 420 North Craig St., 3 story and basement, 91 x 115 ft. rein.-con. garage and service station, Baum Blvd. and Commercial Way, to W. T. Grange Constr. Co., Keenan Bldg. Archts. est. $150,000.

W. Va., Williamson—Williamson Ice & Storage Co., 5 story, 40 x 60 ft. plant, brick, etc., to Good Constr. Co., Williamson. Archts. est. $60,000.

O., Cleveland—H. E. Roth, 1604 East 117th St., 1 story and basement, 50 x 100 ft. and 30 x 40 ft. hide house and garage, brick and timber, West 65th St., to G. H. Rutherford Co., 2725 Prospect Ave. Archts. est. $40,000. Noted Dec. 7.

Ill., Chicago—Tower Auto Corp., 20 East Jackson Blvd., 4 story, 130 x 175 ft. garage, rein.-con., brick and steel, 231 East Chicago Ave., to A. Brundage, 110 South Dearborn St. Archts. est. $225,000.

Wis., Beloit—Beloit Iron Wks., c/o F. L. Penney, mgr., 1 story, 50 x 80 ft., machine shop, brick, rein.-con. and steel, plain foundation, to J. Schnelberg, 945 Bluff St. Archts. est. $40,000.

Minn., Hibbing—Water, Light, Power and Building Comn., 1 story and basement, 66 x 85 ft. addition to gas plant, concrete and brick, to Phelps-Drake Co., 719 Metropolitan Life Bldg., Minneapolis, and Hibbing, $89,948. Noted Dec. 21.

Minn., St. Paul—Hamm Realty Co., 311 Hamm Bldg., general contract garage and tire supply plant, 2½ and 3 story, and part basement, 150 x 150 ft., concrete and brick, 8th and Sibley Sts., to C. W. Lundquist & Co., 712 15th Ave. N. E., Minneapolis, $88,000. Noted Nov. 23.

Minn., St. Paul—Northern States Power Co., 15 South 5th St., Minneapolis, will build 40,000,000 hp. steam plant, one 35,000 kw. unit to be installed now and another similar unit later, near High Bridge over Mississippi River, here, by day labor. All equipment bought. Byllesby Eng. and Management Corp., 208 South LaSalle St., Chicago, engrs.

Tex., Dallas—Gulf Colorado & Santa Fe R.R., 110 Field St., 2 story and basement, 60 x 300 ft., freight depot, (1st unit), brick, plain foundation, Young and Poydras Sts., to Sumner Sollit Co., 225 North Michigan Ave., Chicago, $135,000.

Tex., Ft. Worth—Ft. Worth Elevator Co., 1510 East 1st St., 2 story, (ultimately 6 story), 100 x 205 ft., rein.-con. warehouse, plain foundation, East 1st St., to Butcher & Sweeney, Touraine Bldg., cost plus 10% basis.

Calif., Sacramento — Consumers Ice & Cold Storage Co., 8th and D Sts., will build rein.-con. addition to ice plant, Hickman Tract near Freeport Rd., by day labor. $41,000.

Calif., San Francisco—L. R. Lurie, Mills Bldg., 2½ story, 62 x 137 ft., rein.-con. garage, Sacramento St. near Polk St., to

Industrial Works (Continued)

F. L. Hansen, 251 Kearny St. Noted Nov. 30.

Calif., San Francisco—Lurie Co., Mills Bldg., 2 story, concrete, warehouse and office, 5th and Clementina Sts., to Meyer rBos., 5324 Geary St., $80,000. Fobes Supply Co., 523 Mission St., lessee.

Buildings

PROPOSED WORK

Me., Portland—Apartment—J. I. Cope, 222 Cumberland Ave., plans 4 story, 60 x 135 ft. brick and steel, Chadwich St., $150,000. Private plans.

Mass., Boston — Market — City having plans prepared by Cram & Ferguson, archts., 248 Boylston St., fireproofing and restoring Faneuil Hall. To exceed $150,000.

Conn., Bridgeport—High School—Bd. Educ. plans 3 story and basement, brick, stone, steel and concrete, Boston and Central Aves. $900,000. Caldwell, Walker & Beckwith, 886 Main St., archts. W. B. Ittner, 911 Locust St., St. Louis, Mo., associated archt. Noted Sept. 21.

Conn., Hamden—Town Hall—Town Hall Building Com. plans 2 story, brick and steel, Dixwell Ave. $160,000. Architect not selected.

Conn., New Haven—Club, etc.—St. Michaels Young Men's Club, Greene St., having plans prepared by Della Valle & Vece, archts., Exchange Bldg., 3 story and basement, 50 x 150 ft., brick and steel, Greene St. $150,000. Noted Aug. 25, 1921.

Conn. Stamford—Hotel—Davenport Hotel Co. Park Pl. having plans prepared by Emmens & Abbott, archts., Washington Bldg., 5 story and basement, 34 x 81 ft., brick and steel addition to Hotel Davenport, Park Pl.

N. Y., Brooklyn—Hospital—Samaritan Hospital, c/o A. S. Hedman, archt. and engr., 112 East 19th St., New York, having plans prepared brick, steel and stone addition, plain foundation, 4th Ave. and 17th St., here. $200,000.

N. Y., Lakewood—High School—Lakewood School Dist. plans high school. $150,000. Johnson & Ford, Fenton Bldg., Jamestown, archts.

N. Y., New York—Bath House—Bd. Estimate, Municipal Bldg., rejected bids opened Nov. 27, public bath building, brick and steel, plain foundation, 35 West 134th St. Will readvertise.

Pa., Allentown—Bank—Dime Savings & Trust Co. plans bank, 7th and Linden Sts.

Pa., Avalon—High School—Bd. Educ. having plans prepared by P. Irwin and W. N. Zortman, archts., Renshaw Bldg., Pittsburgh, 2 story and basement, 96 x 113 ft., rein.-con., brick and terra cotta, California Ave. $180,000.

Pa., Brookville — Court House—Comrs. Jefferson Co. having plans prepared by E. E. Bailey, archt., Chambers Bldg., Oil City, 2 story, 32 x 64 ft. brick and steel addition. $150,000.

Pa., Irwin—Bank and Office—Irwin Savings & Trust Co. having revised plans prepared by P. C. Dowler, archt., Magee Bldg., Pittsburgh, 2 story and basement, 25 x 109 ft., rein.-con., brick and terra cotta, Main St. $150,000.

Pa., Johnstown—Hospital—Comrs. Cambria Co., Court House, Ebensburg, having plans prepared by W. R. Myton, archt., 1204 1st Natl. Bank, 2 story and basement, 40 x 230 ft. and 1 story and basement, 35 x 80 ft. and 30 x 40 ft. brick. $250,000.

Pa., Juniata—Business—D. G. H. Gilberg, 708-4th Ave., plans 4 story and basement, 80 x 120 ft. rein.-con., brick and steel, business block, office and apartment building on 4th Ave., to replace one recently destroyed by fire. $150,000.

Pa., Phila.—Apartment—J. Bobb, 6250 Ludlow St., having plans prepared by W. A. Young, archt., 320 South Iseminger St., 4 story, and basement, 150 x 150 ft. brick and stone, 63rd and Overbrook Aves. $350,000.

Pa., Phila.—Community—Federation of Jewish Charities, c/o M. Kind, 709 Chestnut St., soon takes bids 4 story and basement, 43 x 160 ft. brick, steel and stone, plain foundation, 9th and Pine Sts. $200,000. F. E. Hahn, 1112 Chestnut St., archt.

Pa., Phila.—Loft—Hoffman-Henon Co., archts., Finance Bldg., soon takes bids 12 story and basement, 102 x 188 ft. rein.-con., brick and steel, 21st and Market Sts. $700,000. Owner's name withheld.

Va., Richmond—Office—Imperial Job Co., 106 South 6th St., having revised plans prepared by Neff & Thompson, archts., Seaboard Bank Bldg., Norfolk, 6 story, 5th and Franklin Sts. $300,000.

Fla., St. Petersburg — Hotel — S. Lund, Huntington Hotel, plans rein.-con., 250 rooms. $1,000,000. Architect not selected.

Ind., Evansville—School—St. Boniface Church plans 2 story and basement, brick, Wabash Ave. $150,000. Clifford Shopbell, Furniture Bldg., archt.

Ind., Indianapolis—Apartment—E. G. Spink Co., Hume-Mansur Bldg., having plans prepared by W. K. Eldridge, archt., Hume-Mansur Bldg., 8 story and basement, 54 x 150 ft., rein.-con. and brick, 2035 North Meridian St. $250,000.

Ind., Indianapolis—Office and Store—S. S. Kresge Co., Kresge Bldg., Detroit, Mich., having plans prepared by G. H. Rubens, archt., Saks Bldg., 14 story and basement, 76 x 198 ft., brick and steel, East Washington St., here. $150,000.

Mich., Battle Creek—Church and Office—First Baptist Church, 119 Fountain St., plans 6 story, rein.-con., brick and stone, Main St. $300,000. Private plans.

Ill., Chicago—Apartment—P. M. Jacobs, c/o N. M. Dunning, archt., 304 South Wabash Ave., plans 3 story and basement, rein.-con., brick and steel, 2035-43 111th St. $150,000.

Ill., Chicago—Apartment—R. W. Matteson & Co., 140 South Dearborn St., plans 3 story and basement, 125 x 200 ft., rein.-con., brick and steel, George and Mildred Sts. $400,000. Private plans.

Ill., Chicago—Dormitory—Northern Baptist Theological Seminary, c/o S. M. Seator, archt., 19 South La Salle St., having plans prepared 3 story, 40 x 175 ft., rein.-con., brick and steel, Washington and Albany Sts. $150,000.

Wis., Burlington—Memorial Hospital—Memorial Hospital Assn., c/o H. A. Runkel, vice-pres., plans 3 story and basement, brick. $150,000. Architect not selected.

Wis., Mayville—Gymnasium and Auditorium—Bd. Educ. had plans prepared and soon takes bids 3 story gymnasium and 2 story auditorium, brick, tile and concrete, plain foundation. $200,000. Parkinson & Dockendorff, Linker Bldg., La Crosse, archts.

Wis., Milwaukee — Apartment — Randco Corp., c/o Rosman & Wierdsma, archts., 424 Jefferson St., having plans prepared 3 story and basement, 40 x 55 x 110 ft., brick and concrete, Cass St. $150,000.

Wis., Milwaukee — Church — Kenwood Methodist Congregation, c/o S. H. Anderson, pastor, 699 Stowell Ave., having revised plans prepared by Leenhouts & Guthrie, archts., 424 Jefferson St., 2 story and basement, stone, plain foundation, Kenwood Blvd. $150,000.

Wis., Milwaukee—Church—Salem Evangelical Assn., 405 6th Ave., had plans prepared by P. M. Christiansen, archt., 469 1st Ave., 2 story and basement, 64 x 94 ft., brick and tile, plain foundation, 25th Ave. and Mitchell St. $150,000.

Wis., Milwaukee — School, etc. — School Bd., c/o F. Harbach, secy., 10th and Prairie Sts., had plans prepared and soon takes bids 3 story and basement, 68 x 80 ft. addition, incl. 28 x 40 ft. boiler house, brick, tile and concrete, plain foundation, 27th Ave. $150,000. Van Ryn & De Gelleke, 114 Grand Ave., archts.

Wis., West Allis—Commercial and Office—Greenfield Ave. Advancement Assn., c/o W. L. Johnson, secy., 6224 Greenfield Ave., plans 3 story and basement, 120 x 120 ft., brick and concrete, plain foundation, Greenfield Ave. $150,000.

Wis., West Allis—Grade School—Bd. Educ. plans 2 story, brick and tile, in 4th Ward. $150,000. Architect not selected.

Wis., Wisconsin Rapids—Prentiss-Wabers Mfg. Co., c/o T. A. Taylor, mgr., having plans prepared by M. C. Jacobson, archt., Wisconsin Rapids, 2 story, 65 x 110 ft., brick, rein.-con. and steel factory, plain foundation.

Ia., Ottumwa—Church—First Presbyterian Congregation, plans to build church. $150,000. C. P. Shockley, 719 Black Bldg., Waterloo, archt.

Ia., Sioux City—Hospital—New Samaritan Hospital Assn. having plans prepared by Beuttler & Arnold, archts., 408 Grain Exch. Bldg., 4 story and basement, rein.-con., brick, tile and stone, 29th and Douglas Sts. $250,000 E. J. Stason, pres. . Noted Oct. 5.

Ia., Tipton—School—Defeated $273,000 bonds for 2 story and basement, rein.-con. and brick, for Bd. Educ. New election will be called soon. W. Gordon, 317 Hubbell Bldg., Des Moines, archt. Noted Dec. 7.

Ia., Wapello—School—Bd. Educ. plans 3 story and basement, rein.-con., brick, tile and stone. $150,000. H. R. Christie, secy. Architect not announced.

Minn., Duluth—Hospital—St. Lukes Hospital having plans prepared by Schmidt, Garden & Martin, archts., 104 South Michigan St., Chicago, superstructure for rein.-con. and brick. $800,000. German & Jensen, 411 Exchange Bldg., associated archts. Noted July 13.

Minn., Minneapolis — Vocational School and Administration—Bd. Educ. having tentative sketches made by Div. of Design, rein.-con., brick and tile, first unit $250,000. Total $1,000,000. G. F. Womrath, 305 City Hall, bus. supt., Bd. Educ.

Minn., St. Paul—Theatre—Orpheum Circuit, State Lake Bldg., Chicago, plans rein.-con., brick and stone. $1,000,000. Architect not announced.

Kan., Ft. Scott—Church—Presbyterian Congregation plans 1 story and basement, 3rd and Crawford Sts. $150,000. J. K. Gross, pastor.

Kan., Ft. Scott—Temple—Scottish Rite Masons having plans prepared by W. T. Schmit, archt., 1634 West 10th St., Oklahoma City, Okla., 2 story and basement, 75 x 120 ft., brick and stone. $500,000.

Kan., Great Bend—High School—Bd. Educ. having plans prepared by Payson & Caswell, archts., 505 Interstate Bldg., Kansas City, Mo., high school. $250,000.

Kan., Wichita—Hotel—O. S. Shirk, 205 Schweiter Bldg., having plans prepared by Eberson & Weaver, archts., Orpheum Bldg., 5 story, 100 x 140 ft., rein.-con. and brick, plain foundation, 2nd St. and Topeka Ave. $250,000. Noted Dec. 7.

Kan., Wichita—Jail—Sedgwick Co. having plans prepared by W. M. Bowman Co., archt., Central Savings Bank Bldg., Denver, Colo., county jail, Courthouse Sq. $200,000. Noted Dec. 7.

Mo., Kansas City—Memorial—Liberty Memorial Assn., R. A. Long Bldg., having plans prepared by H. Van Buren Magonigle, archt., 101 Park Ave., New York City, and takes bids about end of February, rein.-con., brick and steel, Station Rd. $2,000,000.

Mo., Liberty—High School—Bd. Educ. having plans prepared by C. A. Smith, archt., 602 Finance Bldg., Kansas City, 2 story and basement, 88 x 188 ft., rein.-con. and brick. $250,000.

Mo., Marshall — High School — Voted $200,000 bonds for high school.

Mo., Nevada—Schools—Voted $320,000 bonds for high school and 2 grade schools. Noted Dec. 14.

Tex., Dallas—Hotel—A. W. Childress and associates, 1714 Prairie St., plans 125 x 125 ft. hotel, San Jacinto and Masten Sts. $900,000. Architect not selected.

Ore., Astoria—Hotel—Columbia Hotel Co. having revised plans prepared by Tourtelette & Hummel, archts., Title and Trust Bldg., Portland, for hotel, here. $150,000. C. R. Higgins, secy. Former contract rescinded.

Ore., Corvallis—Hotel—Coe A. McKinney Co., Portland, entered into contract with Chamber of Commerce to raise $200,000 for fireproof hotel, here.

Calif., Durham—High School—Durham High School Dist. plans election to vote on $150,000 bonds for new high school. Architect not selected.

Calif., Fullerton—Church, etc.—Methodist Episcopal Church having plans prepared by Noerenberg & Johnson, archts., Los Angeles Ry. Bldg., for church, community hall, chapel, etc., Pomona Ave. To exceed $200,000.

Calif., Lodi—Hotel and Theatre—G. Allen, archt., 37 South Aurora St., Stockton, preparing plans and soon takes bids, 3 story, rein.-con., brick and terra cotta, here. $150,000. Owner's name withheld.

Calif., Los Gatos — High School — Los Gatos High School Dist. plans election early next year to vote on $150,000 bonds for new high school. Architect not selected.

Calif., Los Angeles—Office—G. Woodruff, A. R. Walker, et. al., c/o Walker & Eisen, archts., Pacific Finance Bldg., having plans prepared 13 story and basement, rein.-con. or steel frame with pressed brick and terra cotta, 8th St. from Spring to Main Sts. $500,000.

Calif., Los Angeles—Office and Depot—American Ry. Express, 752 South Bway., having plans prepared by J. H. Humphrey, archt., 85 2nd St., San Francisco, 3 story, 75 x 275 ft., rein.-con., San Pedro St. near 5th St.

Calif., Oakland—Banks—See "Bids Desired."

Calif., Oakland—College—Mills College having plans prepared by W. H. Ratcliff, Jr., archt., 1st Natl. Bank Bldg., Berkeley, group of buildings, 59th Ave. $500,000 or more.

Calif., Oakland — Courthouse —Alameda Co. plans election to vote on $2,000,000 bonds for courthouse.

Calif., Sacramento—Store—J. Bruener Co., 604 K St., having plans prepared by E. C. Hemmings, archt., Ochsner Bldg., 1 and 3 story building, 2 story addition to present 1 story building, and extensive alterations to present store, 6th and K Sts. $150,000.

Calif., San Francisco—Apartment and Store—Ackerman & Harris, 281 O'Farrell St., having plans prepared by Weeks & Day, archts., Phelan Bldg., 7 story and basement, probably rein.-con., Leavenworth and O'Farrell Sts. $150,000.

Calif., San Francisco — Club — Natl. League for Women's Service, c/o W. Polk &

Buildings (Continued)

Co., archts., Hobart Bldg., having preliminary plans prepared 7 story and basement, probably rein.-con., Post St., to be known at Womens City Club. $1,000,000.

Calif., Santa Ana—Club—Y. M. C. A. having plans prepared by F. H. Eley, archt., Santa Ana. 3 story and basement, Church St. $150,000.

Calif., Stockton—Church—First Church of Christ Scientist, having plans prepared by G. Allen, archt., 37 South Aurora St., rein.-con. and terra cotta, Center and Flora Sts. $150,000.

Calif., Stockton—College—College of the Pacific, College Park, San Jose, having plans prepared by Davis-Heller-Pearce Co., archts. and engrs., Delta Bldg., seven 2 story, rein.-con., brick and terra cotta buildings, on 50 acre tract, here. $650,000.

Calif., Stockton — Market — Italian Gardeners Society, c/o D. V. Marceau, Yosemite Bldg., plan farmers market building, East St. from Weber to Channel Sts. $150,000.

Que., Lachine—School—Protestant Bd. School Comrs., St. Joseph St., voted $225,000 bonds for new school.

Que., Pointe Aux Trembles—Reformatory —Provincial Government, Quebec, having plans prepared reformatory, here. $200,000. L. A. David, provincial secy.

Que., Quebec—Museum—Provincial Government, Parliament Bldgs., having plans prepared and takes bids in spring, museum. $150,000. O. Vallee, Dept. Pub. Wks., engr.

Ont., Cayuga—Court House and Prison—Provincial Government, Toronto, soon takes bids 3 story, rein.-con. and stone, to replace one recently destroyed by fire. $350,000.

BIDS DESIRED

N. Y., Brooklyn — Hospital — Sterling Private Hospital, c/o Timmis & Chapman, archts. and engrs., 315 5th Ave., New York, will build 5 story, brick, steel and stone, plain foundation, St. Johns Pl., here, by separate contracts under supervision of architects. $325,000. Noted Oct. 19.

N. Y., New York—Apartment—S. Ball c/o G. A. Baggs & Sons, archts., 299 Madison Ave., 5 story, 115 x 130 ft., brick, steel and stone, plain foundation, University Ave., by separate contracts under supervision of architects. $200,000. Noted April 6.

N. Y., New York—Apartments—B. Londen c/o Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., will build two 5 story, brick, steel and stone, plain foundations, Ft. George Ave., by separate contracts under supervision of architects. $150,000 each.

N. Y., New York—Apartment—Two East 95th St. Corp., c/o J. E. R. Carpenter, archt. and engr., 598 Madison Ave., will build 8 story, 85 x 100 ft., brick, steel and stone, plain foundation, 2-9 East 95th St., by separate contracts under supervision of architect. $500,000.

N. J., Collingswood — School and Gymnasium—Jan. 15, by Bd. Educ., 2 story and basement, 85 x 105 ft. and 1 story, 46 x 129 ft., cut stone, brick and steel, plain foundations. P. A. Davis, 3rd, 1713 Sanson St., Phila., archt. Noted Nov. 2.

Pa., State College—Club—Day & Klauder, archts., Franklin Bank Bldg., Phila., taking bids 4 story and basement, 70 x 170 ft. brick and stone, plain foundation, for Penna. State College. $250,000.

Md., Baltimore—School—Jan. 17, by Mayor and City Council, 3 story, brick, Granada and Oakford Aves. Mottu & White, 324 North Charles St., archts.

La., Baton Rouge—Engineering—Jan. 10, by R. L. Himes, secy. Bldg. Com., Louisiana State University, 2 story civil and mechanical engineering building, $225,000, also underground tunnels for steam pipes, electric power and lighting wires, sewers, etc., $30,000, for State Agricultural College. T. C. Link, Capitol Bldg., state archt.

O., Cleveland — Church — W. C. Jansen, archt., 402 Electric Bldg., taking bids superstructure for 1 story and basement, 100 x 200 ft., brick, steel and concrete, East 109th St. and St. Clair Ave., for St. Aloysius Roman Catholic Church, 10932 St. Clair Ave. $300,000.

O., Cleveland—Commercial—Retail Stores Building Co., c/o W. S. Ferguson Co., archts., 1900 Euclid Ave., taking bids 3 story and basement, 132 x 132 ft., brick and rein.-con., 12th St. and Chester Ave. $200,000.

O., Oxford — Library — Jan. 15, by Bd. Trustees Miami University, 2 story, 72 x 100 ft., brick and concrete on campus. $85,000. F. L. Packard, New Hayden Bldg., Columbus, archt. Noted Aug. 17.

O., Wooster — High School—Bd. Educ., taking bids 2 story, brick, steel and concrete. $350,000. T. R. Ridley, 58 Merriman Rd., Akron, archt.

Ind., Indianapolis — Bank and Office — Meyer Kiser Bank, 136 East Washington St., taking bids 11 story and basement, 60 x 200 ft., rein.-con., brick and terra cotta, East Washington St. $1,000,000. Vonnegut, Bohn & Mueller, Indiana Trust Bldg., archts. Noted Oct. 19.

Ill., Chicago—Apartment—Z. E. Smith, archt., 305 East 55th St., receiving bids 3 story and basement, 100 x 126 ft., rein.-con., brick and steel, 72nd and Constance Sts. $150,000. Owner's name withheld.

Ill., Chicago—Hotel—D. D. Meredith, archt., 418 North Albany St., receiving bids 4 story, 50 x 150 ft., rein.-con., brick and steel, Racine Ave. near Wilson St., for J. P. Lynch 516 Franklin St. $150,000.

SUBWAY—BROOKLYN, N. Y.

Bids were opened by Transit Comn., 49 Lafayette St., New York City, Dec. 22, for two-track subsurface railroad extending under Bushwick Ave. from Meserole to Boerum Sts., (A) F. L. Cranford, Inc., 149 Remsen St., (awarded contract); (B) Joslin Constr. Co., Inc., 354 West 24th St., New York City; (C) G. Morris Contg. Corp., 72 Hunterspoint Ave., Long Island City; (D) T. A. Gillespie Co., 7 Dey St., New York City. The unit bids were as follows:

	A	B	C	D
46,500 cu.yd. earth excavation above M.H.W.	$6.20	$5.75	$7.15	$19.00
1,900 cu.yd. earth excavation above and below M.H.W. for sewers	6.20	6.50	7.15	19.00
750 front ft. underpinning buildings less than 7 stories	42.00	50.00	48.00	50.00
425 front ft. maintaining, protecting and securing buildings	15.00	38.00	1.00	40.00
7,630 cu.yd. concrete masonry in place	15.00	15.00	17.40	28.00
35,600 sq.ft. rubbing concrete surface	.11	.05	.10	.10
1,200 cu.yd. protective concrete masonry outside W.P.	15.00	15.00	17.40	28.00
20 cu.yd. rubble stone masonry in place	10.00	10.00	8.00	8.00
20 cu.yd. dry rubble masonry in place	8.00	9.00	6.00	6.00
20 cu.yd. brick masonry in place	35.00	37.00	30.00	30.00
25 cu.yd. removal and disposal of old masonry	50.00	22.00	35.00	10.00
10 cu.yd. hollow terra cotta brick or tile masonry	30.00	30.00	30.00	25.00
18 lin.ft. 4½ in. x 13 in. terra cotta flue lining	1.00	1.00	1.00	1.00
100 bbl. grout of Portland cement	7.00	5.00	5.00	6.00
18 sq.yd. resurfacing concrete masonry	2.50	1.50	5.00	3.00
100 lin.ft. timber piles in place	1.00	1.00	.70	1.00
2 M.ft. timber foundations	100.00	90.00	100.00	100.00
35 M.ft. timber for temporary ramp structure	95.00	100.00	100.00	100.00
25 cu.yd. broken stone or gravel in place	4.00	4.50	5.00	4.00
3,800 sq.yd. waterproofing, 1-ply	.75	.80	.50	1.00
100 sq.yd. waterproofing, 2-ply	1.25	1.50	1.00	1.25
7,000 sq.yd. waterproofing, 3-ply	2.00	2.60	1.50	1.50
300 sq.yd. waterproofing 4-ply	2.00	3.20	2.00	2.00
100 sq.yd. waterproofing 5-ply	2.50	4.00	2.50	2.50
30 sq.yd. waterproofing 6-ply	3.00	5.00	3.00	3.00
100 sq.yd. waterproofing dry ply	.60	.70	.40	.75
515 cu.yd. brick in asphalt mastic	42.00	40.00	40.00	40.00
100 lin.ft. 3 in. C.I. pipe and fittings, class A	1.00	1.00	1.00	1.00
125 lin.ft. 6 in. C.I. pipe and fittings, class A	1.25	1.90	1.50	1.60
830 lin.ft. 8 in C.I. pipe and fittings, class A	1.50	2.30	2.00	2.00
3,300 duct.ft. tunnel ducts in place	.16	.25	.25	.20
20,000 duct.ft. railroad ducts in place	.20	.30	.40	.30
400 tons riveted steel	107.00	115.00	140.00	125.00
2 removings and resettings of steel columns	100.00	50.00	100.00	100.00
2 tons steel ladders, stairs, etc.	200.00	250.00	300.00	300.00
370 tons steel beams and shapes	107.00	115.00	140.00	125.00
10 tons steel furnished, not erected	90.00	100.00	90.00	90.00
270 tons steel rods and bars	85.00	92.00	100.00	80.00
10 tons miscellaneous iron castings	150.00	120.00	170.00	150.00
2 tons miscellaneous iron castings for sewers	200.00	130.00	170.00	150.00
200 lb. special wire forms in place	.20	.20	.20	.20
1,500 sq.ft. steel gratings	2.75	2.50	2.50	3.00
300 sq.ft. vault lights	2.75	2.50	2.00	2.50
1,150 sq.yd. sidewalk restored	2.50	2.75	3.00	3.00
2,950 sq.yd. repavement of roadway, asphalt	5.00	4.50	5.00	5.00
800 sq.yd. repavement of roadway, granite block	5.00	2.50	4.00	5.00
100 lin.ft. new bluestone curb in place	1.50	2.50	2.50	2.00
100 lin.ft. new 8 in. granite curb in place	4.50	3.00	4.00	4.00
660 sq.yd. repavement granite block, 6 in. sand base	2.50	2.40	3.00	3.00
2,300 lin.ft. ¾ in. steel electric conduits	.50	.30	.40	.20
100 lin.ft. 1¼ in. steel electric conduits	.75	.55	.75	.50
100 lin.ft. 2 in. steel electric conduits	.95	.62	1.00	.75
5,300 lin.ft. 1 in. steel electric conduits	.50	.45	.50	.30
360 C.I. outlet boxes	2.00	1.60	1.00	1.00
10 C.I. pull boxes in place	7.00	4.00	5.00	3.00
55 lin.ft. 6 in. C.I. pipe and fittings	2.20	1.90	2.00	2.00
40 lin.ft. 3 in. C.I. pipe and fittings	1.60	1.50	1.50	1.50
390 lin.ft. 12 in. vitrified pipe sewers	4.50	3.00	5.00	3.00
470 lin.ft. 15 in. vitrified pipe sewers	5.00	4.00	6.00	4.00
175 lin.ft. 24 in. vitrified pipe sewers	6.00	7.00	10.00	7.00
8 ton C.I. sewer pipe (straight)	100.00	85.00	120.00	100.00
2 tons C.I. sewer pipe (special)	150.00	150.00	200.00	150.00
55 lin.ft. 3 ft. 6 in. x 2 ft. 4 in. concrete sewer	30.00	14.00	12.00	12.00
170 lin.ft. 5 ft. x 4 ft. 3 in. concrete sewer	31.00	32.00	20.00	25.00
1,300 lin.ft. maintaining electric overhead trolley	4.00	4.00	4.00	10.00
350 lin.ft. temporary relocation of track	10.00	6.00	5.00	3.00
640 lin.ft. 6 in. water pipe	1.00	1.20	1.00	1.50
40 lin.ft. 16 in. water pipe	4.00	2.90	3.00	4.00
760 lin.ft. 30 in. water pipe	5.00	5.20	5.00	6.00
20 service connection water pipes, all sizes	25.00	28.00	25.00	25.00
500 lin.ft. 4 in. C.I. gas pipe	1.10	1.00	1.00	1.00
50 lin.ft. 6 in. C.I. gas pipe	1.40	1.60	1.50	1.50
40 lin.ft. 12 in. C.I. gas pipe	3.00	2.00	2.00	2.00
670 lin.ft. 20 in. C.I. gas pipe	4.00	3.50	2.50	4.00
650 lin.ft. 24 in. C.I. gas pipe	5.00	4.60	3.00	5.00
2,440 lin.ft. 4 in. by-passing pipe	2.50	2.60	4.00	2.00
115 lin.ft. 12 in. wrought steel by-passing pipe	4.50	13.00	12.00	4.00
1,180 lin.ft. 20 in. wrought steel by-passing pipe	7.50	18.00	12.00	7.00
1,190 lin.ft. 24 in. wrought steel by-passing pipe	12.50	22.00	18.00	10.00
710 lin.ft. trestle to support by-passing pipe	6.00	4.20	6.00	6.00
230 lin.ft. cable support for pipe over 16 in. diameter	5.00	4.00	6.00	10.00
90 lin.ft. cable support for pipe under 16 in. diameter	5.00	3.80	6.00	6.00
2 service connections for gas pipes	40.00	31.00	30.00	25.00
40 tons new C.I. hubs and spigots (straight)	80.00	90.00	70.00	60.00
5 tons new C.I. hubs and spigots (special)	100.00	130.00	150.00	150.00
2,780 duct.ft. electric ducts and conduits	.40	.60	.50	.50
8 service connection electric ducts	50.00	31.00	50.00	50.00
300 duct.ft. wooden electric ducts and conduits	.40	.90	.50	.50
300 duct.ft. fibre electric ducts and conduits	.40	.90	.50	.50
Overflow sewer, Knickerbocker and Vandervoort Ave., lump sum	3,000.00	3,000.00	4,000.00	2,000.00
Overflow sewer, Johnson and Vandervoort Ave., lump sum	3,000.00	3,000.00	5,000.00	2,000.00
Extended totals	$750,983	$774,635	$858,213	$1,508,657

Ill., Wilmette—Apartment-Hotel—Beach Manor Real Estate Impvt. Co. c/o R. L. Simons, archt., Beardsley Blk., Elkhart, Ind., receiving bids 9 story and basement, 225 x 225 ft., rein.-con., brick, steel, tile and terra cotta, here. $1,500,000. Noted Sept. 7.

Wis., Kenosha—Grade School—Feb. 10, by Bd. Educ. 2 story and basement, 67 x 180 ft., brick, tile and concrete, plain foundation. $150,000. J. D. Chubb, 109 North Dearborn St., Chicago, archt. Noted Aug. 31.

Neb., Omaha—Club and Office—Jan. 26, by J. and A. McDonald, archts., 204

Buildings (Continued)

Standard Oil Bldg., 8 story, 132 x 132 ft., rein.-con., brick and steel, Southwest corner 18th and Dodge Sts., for B.P.O.E., c/o O. Nielson, secy., Elks Bldg. $1,500,000. Noted Nov. 16.

N. D., St. Thomas—High School—Feb. 1, by Bd. Educ., 2 story and basement, 108 x 140 ft. rein.-con., brick tile, and stone. $150,000. B. D. Keck, 1st Natl. Bank Bldg., Grand Forks, archt.

Calif., Oakland—Banks—Reed & Corlett, archts., Oakland Bank of Savings Bldg., receiving bids 1 story, brick and concrete, Fruitvale Ave. and East 14th St., for Oakland Bank of Savings, Oakland Bank of Savings Bldg. Architects also preparing plans for three 1 story, brick and concrete, banks, in various sections of city, for above owners. $50,000 each.

Calif., Petaluma—Hotel—F. Whitton, supt. of construction, 251 Kearny St., San Francisco, receiving bids 5 story, steel frame, rein.-con. or brick, for Petaluma Hotel Co., c/o Chamber of Commerce. $250,000.

Calif., Sacramento—School—Jan. 15, by Bd. Educ., constructing four 2 story wing additions to present high school, and 4 separate buildings for gymnasium, domestic science, shops and cafeteria, 34th St. $540,000. E. A. Matthews, Call Bldg., San Francisco archt. Noted Dec. 28.

Calif., San Francisco—Apartment—L. Johnson, 2260 19th Ave., receiving bids 3 story and baseemnt, concrete, Bush St. near Leavenworth St. $150,000. Baumann & Jose, 251 Kearny St., archts.

Calif., Tanforan—Clubhouse—G. A. Applegarth, archt., Claus Spreckels Bldg., San Francisco, receiving bids 2 story, frame and plaster, for Pacific Coast Jockey Club, c/o H. Spreckels, secy., 1st Natl. Bank Bldg., San Francisco. $200,000. Noted Aug. 1.

B. C., Vancouver—Store—Jan. 15, by Woodwards Dept. Stores Ltd., Hasting and Abbott Sts., 6 story, 86 x 86 ft. addition, rein.-con., brick, steel, stone and tile, Hasting and Abbott Sts. $150,000. W. T. Whiteway, Hastings St. W., archt. P. P. Brown, 410 London Bldg., engr. Noted Sept. 21.

BIDS RECEIVED

Wis., Kenosha—Courthouse, etc.—Kenosha Co. general contract 3 story and basement, 126 x 226 ft. courthouse and 67 x 138 ft. administration building, rein.-con., brick and stone, plain foundation, from Hutter Constr. Co., 128 Western Ave., Fond du Lac, $675,437; Reisinger & Co., 464 Oakland Ave., Milwaukee, $755,244; J. A. McDonald Constr. Co., 748 Builders Exch., Minneapolis, Minn., general contract and heating, plumbing and electrical work, $767,869. Noted Nov. 30.

Calif., Bakersfield—Hospital—Kern Co. opened bids, group of buildings for hospital, brick, stone and terra cotta, general contract from W. G. Reed, 204 Brock Bldg., Long Beach, $474,000, painting complete addition $22,412, if common brick, omitting heating and ventilating and tanks $427,000, excavating $1.50 per cu.yd.; concrete in foundation $12.50 per cu.yd.; K. E. Parker, 519 California St., San Francisco, general contract $505,800, excavating, grading and filling $22,000; from Currie & Dulgar, Kern Co. Land Bldg., general contract $544,573, if heating and ventilating is omitted deduct $20,000, excavating $1 per cu.yd., concrete in foundation $21 per cu.yd.; heating and ventilating from F. Davidson, Washington Bldg., Los Angeles, $29,440; plumbing, heating and ventilating, combined, from Burnham Plumbing Co., 1220 Webster St., San Francisco, $63,976; plumbing, from K. E. Parker, 519 California St., San Francisco, $24,000, Bakersfield Plumbing Co., Bakersfield, $34,806, using Nelson fixtures. Noted Nov. 16.

Calif., Los Angeles—Apartment—Wilshire-Carondelet Holding Co., 8 story and basement, rein.-con. and brick, Carondelet and Wilshire Blvd., general contract from Lange & Bergstrom, Washington Bldg., Los Angeles, and Sharon Bldg., San Francisco, $440,540; plumbing from J. Hokom, 4312 Moneta Ave., $53,217.

CONTRACTS AWARDED

Mass., Boston—Apartment—M. Bromstein, 64 Charlesgate St. E., will build 5 story, 140 x 220 ft. brick and steel, plain foundation, Audubon Rd., by day labor. $200,000. S. S. Eisenberg, 46 Cornhill, archt.

Mass., Boston—Apartment—Coleman & Gilbert, 331 Huntington Ave., 7 story, brick and rein.-con., plain and wood pile foundation, Gainsborough St. and Huntington Ave., to N. Hurwitz, 294 Washington St. Archts. est. $500,000.

Mass., Brookline (Boston P. O.)—Apartment Hotel—Owners, c/o Henderson & Ross, 148 State St., Boston, 10 story, brick, steel and stone, plain foundation, Chapel St., here to Longacre Eng. & Constr. Co., 345 Madison Ave., New York City. Archts. est. $5,000,000.

Mass., Springfield — Apartment — Lincoln Realty Trust, c/o H. C. Hearne, archt., 387 Main St., will build 4 story, 130 x 145 ft., brick and steel, plain foundation, Bowdoin Terrace, by day labor. $165,000.

Mass., Springfield—Apartment—J. H. Miller, 123 Pleasant Ave., will build 4 story, 110 x 130 ft., brick and steel, plain foundation, Sumner Ave., by day labor. $150,000. B. H. Seabury, 31 Besse Pl., archt.

N. Y., New York—Apartment—I. Kraft, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., 6 story, 89 x 115 ft., brick, steel and stone, plain foundation, Grand Concourse and 170th St., by day labor. $200,000.

N. Y., New York—Apartment—G. Miltner c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 5 story, 100 x 120 ft., brick, steel and stone, plain foundation, 196th St. and Marion Ave. by day labor. Archts. est. $200,000.

N. Y., New York—Apartment—L. Minnoff, c/o C. Shaefer, Jr., archt. and engr., 394 East 150th St., will build 5 story, 90 x 105 ft., brick, steel and stone, plain foundation, Marcy Pl. near Walton Ave., by day labor. $175,000.

N. Y., New York—Apartment—Robson Realty Co., c/o Margon & Glaser, archts. and engrs., 2806 3rd Ave., will build two 5 story, 90 x 100 ft. and 50 x 87 ft. brick, steel and stone, plain foundations, Grand Ave. and 180th St., by day labor. $150,000 each.

N. Y., New York—Apartment—R. Rothbart, c/o J. M. Felson, archt. and engr., 1133 Bway., will build 5 story, 101 x 103 ft., brick, steel and stone, plain foundation, Grand Concourse and Marcy Pl., by day labor. $185,000.

N. Y., New York—Apartment—Schneider Holding Co., c/o W. Koppe, archt. and engr., 565 East Tremont Ave., will build brick, steel and stone, plain foundation, Mott Ave., by day labor. $500,000.

N. Y., New York—Office—Standard Oil Co. of New York, 26 Bway., general contract brick, steel and stone, 73 New St., to C. T. Wills Inc., 286-5th Ave., about $3,000,000; heating and ventilating to Almirall & Co., Inc., 1 Dominick St., about $100,000.

Pa., Phila.—Bank and Office—Mutual Trust Co., Bourse Bldg., 3 story and basement, 35 x 99 ft. rein.-con., brick and steel, 4th and Market Sts., to Smith-Hardican Co., 1606 Cherry St. Archts. est. $150,000.

Pa., Phila. — Bank and Office — Girard Trust Co., Broad and Market Sts., 8 story and basement, rein.-con., brick and steel, Penn Sq. and Broad St., to Fuller Constr. Co., Morris Bldg., $600,000.

Pa., Phila.—High School—Bd. Educ., 19th and Chestnut Sts., 3 story and basement, 143 x 290 ft., to Melody & Sons, 1713 Sansom St., $800,000.

Pa., Phila.—Hotel—H. Trumbauer, archt., Land Title Bldg., 16 story, and basement, 194 x 230 ft. rein.-con., brick and steel, plain foundation, 9th and Chestnut Sts., to F. W. Mark Constr. Co., Commercial Trust Bldg., for Benjamin Franklin Hotel Co., c/o A. H. Mershon, Land Title Bldg. Noted Dec. 21.

Md., Baltimore—School—Bd. of Awards, School Project 8, 4 story, brick and stone, Lexington St. and Central Ave., to C. L. Stockhausen Co., Gay and Water Sts., $463,427. Noted Dec. 7.

Ind., Ft. Wayne—School—Bd. Educ., 2 story and basement, 143 x 172 ft., brick, to Indiana Eng. & Constr. Co., 201-3 Central Bldg., $155,000. Archts. est. $250,000.

Ind., Indianapolis—Apartment—H. L. Dollman, 420 Merchants Bank, 3 story and basement. 70 x 205 ft., brick, stone and marble, North Pennsylvania St., to Dollman Constr. Co., 420 Merchants Bank. Archts. est. $200,000.

Ind., South Bend—Lodge—Knights of Pythias Lodge, 6 story and basement, 42 x 76 ft., brick and stone, Jefferson Blvd., to Hay-Weaver Co., South Bend (street address not available), $199,654.

Ill., Chicago—Apartment—E. N. Greenbaum, 11 South La Salle St., 3 story and basement, 122 x 162 ft., rein.-con., brick and steel, 4740-46 Greenwood St., to Lindstrom & Johnson, 30 North Dearborn St. Archts. est. $200,000.

Ill., Chicago—Apartment—P. Pfleger, 4438 North Central Park Ave., 3 story and basement, 81 x 125 ft., rein.-con., brick and steel, Ainslee and Washentaw Sts., to A. Morton, 5046 North Lincoln St. Archts. est. $150,000.

Ill., Chicago—Church—St. Rita of Casia Catholic Parish, 1 story, 165 x 168 ft., rein.-con., brick and steel, 2700-24 West 63rd St., to Broline-Nolan Co., 5 North La Salle St. Archts. est. $200,000. Noted Aug. 3.

Okla., Lawton—High School—Bd. Educ., 3 story and basement, 27 x 68 ft., to W. S. Bellows Constr. Co., Herskowitz Bldg., Oklahoma City, $175,000.

Calif., Los Angeles—Apartment—P. B. Fletcher, et al., c/o Walker & Eisen, archts., Pacific Finance Bldg., 13 story, brick and terra cotta, Kenmore Ave., to Lange & Bergstrom, Washington Bldg., Los Angeles, and Sharon Bldg., San Francisco, $1,000,000.

Calif., San Francisco—Apartment—J. Bauer, 2555 Mission St., 3 story and basement, 44 x 149 x 157 ft., frame and plaster, Taylor and Jackson Sts., to C. W. Heyer, Jr., Mills Bldg., $135,000.

Calif., Santa Barbara — High School — Santa Barbara Union High School Dist., 1 and 2 story and basement, rein.-con., to J. Y. Parker, 34 Milpas St., $375,000. Noted Nov. 30.

Calif., Santa Clara—Science—University of Santa Clara, 3 story, rein.-con., to J. S. Sampson, Monadnock Bldg., San Francisco, $148,550. Noted Dec. 14.

Federal Government Work

PROPOSED WORK

Del., Wilmington—Bridges—U. S. Engineer soon receives bids for six steel bridge superstructures, 200-400 ft. long, rein.-con. floors, 6 ft. sidewalks, over Delaware and Chesapeake Canal in Delaware and Maryland. Harrington, Howard & Ash, 1012 Baltimore Ave., Kansas City, Mo., engrs.

Oregon — Road — U. S. Forestry Dept. Bway and Glisan St., Portland, plans road through Santiam Forest Reserve, from Detroit to Niagara, in Marion Co. $100,000. U. S. Government will appropriate 75 % of cost, Marion Co. the remainder.

Calif., Livermore—Buildings, Electrical Work, etc.—C. R. Forbes, dir., U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., rejected bids for 29 rein.-con. buildings, complete incl. electrical work, plumbing, heating, ventilating, etc., refrigerating kitchen and laundry equipment, for U. S. Veterans' Hospital, here. Work will be readvertised. Noted Dec. 28.

BIDS DESIRED

N. Y., New York—Tower—Jan. 26 at office U. S. Engineer, 608 Army Bldg., one 100 ft. range finding tower; adv. this issue.

Pa., Pittsburgh—Houses—Jan. 31 at office U. S. Engineer, for lockkeepers houses at Lock 6, Monongahela River; adv. this issue. Noted Dec. 7.

Ga., Savannah — Ward Building, etc. — Jan. 29 by Treas. Dept., Wash., D. C., for additional ward building, remodeling present building, etc., at U. S. Marine Hospital, here. J. A. Wetmore, acting superv. archt.

Ala., Florence—Barges—Jan. 27 at office U. S. Engineer, 4 steel barges; adv. this issue.

Tenn., Nashville—Barges—Jan. 30, at office U. S. Engineer, for 14 steel barges, here; adv. this issue.

O., Cincinnati—Dredging Ladder—Jan. 30 at office U. S. Engineer, 1 dredging ladder for pipe line dredge; adv. this issue.

Tex., Galveston—Dredging—Feb. 1 at office U. S. Engineer, Galveston, dredging Houston Ship Channel; adv. this issue.

Idaho, Boise—Sluice Gates—Feb. 14 at office U. S. Recl. Serv., Denver, Colo., high-pressure sluice gates for Black Canyon Dam, here. A. P. Davis, dir.; adv. this issue.

Idaho, Boise—Valves—Feb. 15 at office U. S. Recl. Serv., Denver, Colo., furnishing 2 needle valves for Black Canyon Pumping Plant, here. A. P. Davis, dir.; adv. this issue.

BIDS RECEIVED

N. Y., Tupper Lake—Equipment, etc.—Spec. 4720—Bureau Yards & Docks, Navy Dept., Wash., D. C., refrigerating equipment, etc. at U. S. Veterans Hospital, here (1) work complete from Wittenmeier Mchy. Co., 850 North Spalding Ave., Chicago $24,570 (190 days); Clothel Refrigerating Co., 61 Bway., New York (1) $26,500 (300 days) (2) $26,100 (300 days); American Carbonic Mchy. Co., Wisconsin Rapids, Wis. (1) $27,000 (300 days) (2) $27,000. Noted Dec. 7.

N. Y., Tupper Lake—Radial Brick Stack—Spec. 4722—Bureau Yards & Docks, Navy Dept., Wash., D. C., for radial brick stack at U. S. Veterans Hospital, here, from A. Custodis, 95 Nassau St., New York $8,778 (35 days) alternates $9,045, $7,652 and $7,922; H. R. Heinicke, Inc., 221 South New Jersey Ave., Indianapolis, Ind. $8,950 (250 days); Ballard Pragg & Co., Inc., 200 5th Ave., New York $9,470 (250 days). Noted Dec. 7.

Federal Government (Continued)

N. Y., Tupper Lake—Tank—Spec. 4724—Bureau Yards & Docks, Navy Dept., Wash., D. C., for steel water tank, tower, etc., at U. S. Veterans' Hospital, here, from Pittsburgh-Des Moines Steel Co., Munsey Bldg., Wash., D. C., $15,890 (240 days) alternate $14,890 (240 days); Chicago Bridge & Iron Wks. Co., 30 Church St., New York, $18,200 (240 days); R. J. Mansfield, 53 Park Pl., New York, $21,433 (240 days). Noted Dec. 7.

Pa., Phila.—Fuel Oil—U. S. Engineer, 815 Witherspoon Bldg., opened bids Dec. 26, furnishing 37,000 bbl. fuel oil as follows: (1) approximately 12,000 bbl. delivered into tanks of U. S. Barge 15, at contractors wharf, per bbl. of 42 gal., (2) approximately 20,000 bbl. delivered into tanks of U. S. vessels from contractors barges anywhere in Delaware River, between Allegheny Ave., Phila., and Ft. Mifflin, Phila., inclusive, per bbl. 42 gal., (3) approximately 5,000 bbl. delivered into tanks of U. S. vessels from contractors barges anywhere in Delaware River between Ft. Mifflin, Phila., and mouth of Christiana River, Del., per bbl. 42 gal., from Atlantic Refining Co., 1211 Chestnut St., (1) $1.785 (2) $1.835 plus $10 per hr. for steam, (3) $1.995; Sun Oil Co., Finance Bldg., (1) $2.10 (2) $2.38 (3) $2.38. Noted Dec. 14.

Va., Leesburg—Post Office—Treas. Dept., Wash., D. C., U. S. Post Office, complete incl. mechanical equipment, here, from E. G. Heflin, 23 Law Bldg., Fredericksburg, $46,500; Pearce Bros., Inc., 220 West 42nd St., New York City, $48,526; Devault & Detrick, Canton, O., (street address not available), $48,631. Noted Dec. 7.

Ill., Rockford—Remodeling—Treas. Dept., Wash., D. C., remodeling and enlarging U. S. Post Office, here, from G. Peterson, 502 North Chicago Ave. $12,795; Hart Bros., Rockford, $12,900; B. A. Lyddon & Son, 1518 Chestnut St. $12,977. Noted Dec. 7.

Wis., Milwaukee—Barges—U. S. Engineer, Federal Bldg., opened bids Dec. 20 for (1) 5 barges (2) 4 barges (3) installing machinery and derricks, from Green Bay Dry Dock Co., Green Bay, (1) $57,500 (2) $49,000 (3) $14,900; Penn Bridge Co., Beaver Falls, Pa., (1) $72,550 (2) $58,040 (3) $9,260; Dravo Contg. Co., Diamond Bank Bldg., Pittsburgh, Pa., (1) $82,400 (2) $68,000 (3) $8,640. Noted Nov. 23.

Wash., Puget Sound—Pier Extension—Spec. 4707—Bureau Yards & Docks, Navy Dept., Wash., D. C., extension to Pier 4, here, (1) work complete, from Henry & McFee, 208 North Light St., Seattle, (1) $440,000 (240 days) alternate $392,000 (240 days) alternate $403,000 (3) $14,000 (4) $8,500 (5) $0.27; J. A. McEachearn, 552 Coleman Bldg., Seattle (1) $473,000 (300 days) (3) $15,400 (4) $10,000 (5) $0.25. Noted Nov. 23.

CONTRACTS AWARDED

W. Va., Huntington—Maneuver Boat—U. S. Engineer, Huntington, steel maneuver boat, Dam 30, Ohio River to Midland Barge Co., Midland, Pa., $21,475. Noted Nov. 23.

Ala., Montgomery—Barge—U. S. Engineer for 1 steel barge to Nashville Bridge Co., Shelby Ave., Nashville, Tenn., $11,740.

Miss., Vicksburg — Barges — Mississippi River Comn., 3rd Dist., P. O. Box 404, 5 steel barges to Dravo Contg. Co., Diamond Bank Bldg., Pittsburgh, Pa., $56,175. Noted Nov. 16.

Wis., Milwaukee—Piers, etc.—U. S. Engineer, Federal Bldg., completion South Arrow Head pile pier, removing old timber crib pier and dredging at Racine Harbor, to Greiling Bros. Co., 110 East Walnut St., Green Bay, $134,552. Noted Nov. 16.

Calif., Mare Island—Riprapping Dike—Spec. 4700—Bureau Yards & Docks, Navy Dept., Wash., D. C., riprapping Dike 12, here, to Daniel Contg. Co., 503 Market St., San Francisco, $675,000. Noted Nov. 23.

Calif., San Diego—Repairs—Spec. 4751—Bureau Yards & Docks, Navy Dept., Wash., D. C., repairs to coaling wharf here, to F. W. Steffgen, 428 Timken Bldg., $3,673 (30 days). Noted Nov. 23.

Miscellaneous

PROPOSED WORK

Monument—Bristol, Conn.—City plans stone memorial monument to war veterans, Boulevard. $25,000. H. A. Hayden, 175 Main St., archt.

Wood Paving Blocks—New York, N. Y.—Bd. Purch., Municipal Bldg., rejected bids opened Dec. 19, furnishing and delivering creosoted wood paving blocks to Dept. Plant & Structures. Will readvertise. Noted Dec. 14.

Dump Truck—Scranton, Pa.—Plans to purchase 3.5 ton dump truck. $6,000.

Dock and Warehouse, etc.—New Orleans, La.—Bd. Port Comrs., Suite 200, New Court Bldg., had surveys made for dock and warehouse at foot of St. Joseph St., $400,000; plans prepared for wharf apron heavy timber constructing, at foot of Barracks St., $30,000.

Wharf and Shed—New Orleans, La.—Eng. Dept. Bd. Port Comrs., 200 New Court Bldg., having plans prepared rein.-con. wharf and shed along Industrial Canal. $1,400,000.

Subways—Cleveland, O.—Plans subways in Euclid, St. Clair, Superior and Payne Aves. from Public Sq. to East 22nd St. and East 9th St. from Prospect to St. Clair Aves. $10,000,000. R. Hoffman, City Hall, engr.

Steam Shovel—Kenosha, Wis.—Kenosha Co., c/o J. F. Herzog, chn., plans to purchase steam shovel. Private plans.

Swimming Tank — Kenosha, Wis. — Fraternal Order of Eagles, c/o A. Schmitz, pres., 657 Symonds St., plans swimming tank and equipment in club house. $25,000. Engineer not selected.

Sign Posts, etc. — Oshkosh, Wis. — City c/o D. Witzel, clk., preparing specifications and soon takes bids for 425 sign posts and 1,700 street signs.

Grand Stand—Kansas City, Mo.—Kansas City Baseball Club, c/o G. Muehlebach, 182 Main St., having plans prepared and soon takes bids for rein.-con. and steel grand stand, 20,000 capacity. Osborn Eng. Co., 2848 Prospect Ave., Cleveland, O., archts.

Grain Elevator—Corpus Christi, Tex.—F. Kell, Wichita Falls, plans concrete grain elevator, here. $250,000. Engineer not selected.

Grain Elevator — Ft. Worth, Tex. — Ft. Worth Elevator Co., 1510 East 1st St., soon takes bids grain elevator with 1,500,000 bushel capacity. J. Smith, pres.

Dredge and Harbor Improvements—Aberdeen, Wash.—Voted $250,000 for dredge and Harbor improvements.

Tube—Oakland, Calif.—Alameda Co. plans election to vote on $3,000,000 bonds to construct tube across Oakland Estuary. G. A. Posey, Courthouse, co. surv.

Rock Crushing Plant—Richmond, Calif.—Healy-Tibbits Constr. Co., 64 Pine St., San Francisco, having preliminary plans prepared for rock crushing plant, here. $250,000. Private plans.

Electric Lighting System—Campbellville, Ont.—Jan. 10, to vote on $35,000 bonds for electric lighting and power distribution system. R. C. Menzies, clk.

Street Lighting System—Lansing, Ont.—North York Twp. having surveys made for street lighting system. $40,000. A. Stocking, Hydro Bldg., University Ave., Toronto, engr.

Rock Crusher—Niagara Falls, Ont.—Stamford Twp. plans to purchase rock crusher. T. R. Stokes, clk.

BIDS DESIRED

Heating and Ventilating Apparatus, etc.—New York, N. Y.—Jan. 11, by J. E. Douglass, acting pres. School Buildings of Bd. Educ., Flatbush Ave. extension and Concord St., Brooklyn, installing heating, ventilating and temperature regulating apparatus in P. S. 80, northerly side of East 120th St., 175 ft. easterly from 1st Ave., also in P. S. 139 on southerly side of West 140th St., 275 ft. easterly of 7th Ave., here.

Steam Rollers—New York, N. Y.—Jan. 10, by J. Miller, pres. Manhattan Boro. Municipal Bldg., furnishing and delivering three 8 ton tandem steam rollers.

Wood Paving Blocks—New York, N. Y.—Jan. 10, by J. Miller, pres. Manhattan Boro. Municipal Bldg., furnishing and delivering 500,000 wood paving blocks, 80,000 gal. gasoline, 6,000 cu.yd. binder stone, 500,000 gal. refined asphalt, 15,000 cu.yd. asphaltic wearing surface sand.

Sewer Brick, Portland Cement, etc.—Richmond, Va.—Jan. 12, at office Dept. Pub. Wks., 765,000 sewer brick, alternate bids for 476,000 sewer brick and 165,000 vitr. paving blocks; 30,000 bbl. Portland cement; 17,600 lin.ft. segment block sewer pipe, with specials, ranging from 30-66 in., alternate bids on 2,700 lin.ft. segment block pipe and 31,200 pieces of vitr. slab liners; 91,000 lin.ft. vitr. pipe with specials ranging from 4-24 in. A. J. Saville, dir. Pub. Wks.; adv. this issue.

Machinery and Equipment—Margerum, Ala.—Alabama Rock Asphalt Co., c/o C. W. Ashcraft, Florence, in market for complete machinery and equipment for development of 700 acre tract of asphalt deposits, here.

Power Plant Equipment—Memphis, Tenn.—Jan. 19, by Bd. Comrs. Memphis Artesian Water Dept., furnishing and installing mechanical auxiliary equipment for new Parkway pumping station, incl. steam and other power plant piping, feed water heater, feed pumps, insulation, boiler breeching, miscellaneous gauges and instruments, boiler settings and Thomas air flow meters. $140,000. Fuller & McClintock, 879 North Parkway, engrs. Noted Dec. 28.

Raising Levee—White Hall, Ill.—Jan. 8, by Hillview Drainage and Levee Dist., raising levee, 21,000 cu.yd. earthwork. Caldwell Eng. Co., Jacksonville, engrs.

Extension to Tail Race and Breakwater—Eau Claire, Wis.—L. A. De Guere, engr., Wisconsin Rapids, taking bids 40,000 cu.yd. sand rock excav. for extension to tail race, also breakwater 500 ft. long, 12 ft. wide, 10 ft. high, timber-crib construction, for Dells Paper & Pulp Co., Dells Dam.

Ball Globes—St. Paul, Minn.—Jan. 8, by H. W. Austin, city purch. agt., one hundred and forty-four 16 in. ball globes with 8 in. fitter openings, seven hundred 12 in. ball globes with 6 in. fitter openings, two hundred and four No. 109, and one hundred No. 104 glass G. E. globes, and one hundred No. 1104 G. E. glass canopies, for Bureau of Lighting. G. M. Shepard, city engr.

Grand Stand, etc.—Topeka, Kan.—T. W. Williamson & Co., archts., 312 Central Bldg., taking bids for stand, 7,000 seating capacity, incl. display stand, concession space and comfort station under stand, for Kansas Free Fair Assn., Fair Grounds. $100,000.

Power Equipment—Lamar, Mo.—Jan. 15, at office of Lamar Water and Electric Plant, additional power equipment. J. M. Earp, mayor and chn. Utilities Com.; adv. this issue.

Crane—Aberdeen, Wash.—Jan. 23, by Port of Grays Harbor, furnishing and erecting 5 ton crane. F. H. Lamb, pres.; adv. this issue.

Street Grader—Oakdale, Calif.—City in market for street grader. G. Macomber, city engr.

Transmission Line Conductors — San Francisco, Calif.—Jan. 10, by Bd. Pub. Wks., furnishing and delivering electric transmission line conductors for two 3 phase 154,000 volt circuits each approximately 96 mi. long, also for material sufficient to extend one circuit an additional 41 mi., to be delivered f.o.b. cars San Francisco, between Aug. 1 and Jan. 2, 1924. $500,000.

Turbines—Winnipeg, Man.—Jan. 22, by Chairman Com. Pub. Utilities, two 5,000 kw. and one 1,000 kw. turbo alternators with auxiliary equipment.

Dry Dock Machinery—Esquimault, B. C.—Feb. 15, (change of date), by R. C. Desrochers, secy. Dept. Pub. Wks., Ottawa, Ont., pumping and other machinery for dry dock here. Noted Dec. 21.

BIDS RECEIVED

Portland Cement—Brooklyn, N. Y.—E. Riegelmann, boro pres., Boro Hall, opened bids Dec. 21, furnishing and delivering 3,500 bbl. Portland cement, from M. M. Canda, 184 3rd St., $9,520; Burroughs Building Material Co., Johnson Ave. and Newtown Creek, $9,764; E. E. Buehler, Co., 103 Park Ave., New York, $10,115. Noted Dec. 14.

CONTRACTS AWARDED

Creosoted Piles and Steel Doors—New Orleans, La.—Bd. Port Comrs., 200 New Court Bldg., creosoted piles to Hattiesburg Creosoted Materials Co., Hattiesburg, Miss., $32,390; 90 steel rolling doors for sacking plant, Market and 7th Sts., to Kinnear Mfg. Co., 7th Ave. and Scotch St., Columbus, O., $35,390.

Wharf and Shed—New Orleans, La.—Bd. Port Comrs., Court Bldg., reconstructing wharf and ratproofing shed on Robin St., to J. Reiss, Carondelet Bldg., $196,634. Noted Dec. 21.

Pile Driving—Milwaukee, Wis.—Sewerage Comn., 508 Market St., driving 2,000 piles varying in length from 35-50 ft., on Jones Island, to W. W. Whitney, Inc., 216 West Water St., $0.123 per ft. Noted Dec. 14.

Portland Cement, etc.—St. Louis, Mo.—G. H. Oetting, supply comr., 1,258 bbl. portland cement in cloth sacks delivered in wagon lots for fairground locker building, to Missouri Portland Cement Co., Post Dispatch Bldg., $3.30 per bbl. less $0.40 for sacks, total $3,800; 430 ton Mississippi River sand and 60 ton Meramic River sand, to St. Louis Material & Supply Co., 320 North 4th St., $2.05 and $2.30 per ton respectively; 140 squares 1 in. macadam, to Union Quarry Co., 4687 Natural Bridge Ave., $7.73 per square, total $1,100; 60 ton 6 in. and 30 ton 8 in. c.i. pipe, to Hammond-Byrd Iron Co., Amer. Trust Co., Birmingham, Ala., $45.50 per ton in 12 ft. lengths, total $4,500. Notoed Dec. 21.

Traveling Crane—San Francisco, Calif.—City and San Francisco Co., furnishing and installing electric traveling crane in Mocassin Creek Power Plant, Hetch Hetchy Project, to Pawling & Harneschfeger, 32 Beale St., $30,475. Noted Dec. 28.

SEARCHLIGHT SECTION

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40 Cents a Line an Insertion

Plans and Specifications **for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.**

THESE ADVERTISEMENTS ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE.

OFFICIAL PROPOSALS

Bids: Jan. 23.

Intercepting Sewer

Toledo, Ohio.

Sealed proposals will be received by the Director of Public Service, Toledo, Ohio, until twelve o'clock noon, eastern standard time, on the 23rd day of January, 1923, and then publicly opened and read for the construction of Contract No. 5 of the Intercepting Sewer System, consisting of

18,955 feet of 87 in. Circular Sewer
2,255 feet of 84 in. Circular Sewer
2,640 feet of 78 in. Circular Sewer

all of which will be built in tunnel, together with manholes and appurtenances.

Bidders are invited to submit prices on monolithic concrete, vitrified segment block and brick.

Plans, specifications, contract and bond forms can be secured at the office of the Director of Public Service upon deposit of twenty dollars ($20.00) for each set, which will be refunded provided they are returned in good order on or before February 20, 1923.

Information regarding the work can be obtained through the following offices of our consulting engineers, Fuller & McClintock: 170 Broadway, New York, 319 Summit-Cherry Building, Toledo, 421 Produce Exchange Building, Kansas City Mo., 879 N. Parkway, Memphis, Tenn., and 1001 Chestnut Street, Philadelphia, Pa.

Each proposal must be accompanied by a bond executed by the bidder and a surety company satisfactory to the Director of Public Service in the sum of Ten Per Cent (10%) of the amount of the bid, or in lieu of a bond the bidder may deposit with the Director of Public Service, a certified check on a solvent bank, payable to the order of the Director of Public Service, in amount equal to such bond, said bond or certified check being required as a guarantee that if the bid be accepted, a contract will be entered into and its performance properly secured.

The contract bond will be Fifty Per Cent (50%) of the amount of the contract. Labor and material bids must be separately stated with the price therefor.

The Director of Public Service reserves the right to reject any or all bids or to accept any bid which he may deem advantageous to the City of Toledo.

W. T. JACKSON,
Director of Public Service.

GORGE E. LASKA,
Secretary.

Bids: Jan. 15.

Power Equipment

Lamar, Mo.

Notice is hereby given that sealed tentative bids will be received at the office of the Lamar Water and Electric Plant of the City of Lamar, Missouri, up to 10 o'clock a.m. on the 15th day of January, 1923, and then will be publicly opened for the furnishing of additional power equipment consisting of an engine or engines with direct connected generators as specified in the specifications now on file at the office of the Lamar Water and Electric Plant in the City of Lamar, Missouri. This power equipment is to be used in the construction of Improvements to the electric light system owned by the City of Lamar, Missouri.

The right is reserved to reject any and all bids.

J. M. EARP,
Mayor and Chairman Utilities Committee.

OFFICIAL PROPOSALS

Bids: Jan. 12.

Portland Cement

Richmond, Va.

Sealed proposals will be received at this office until 12 o'clock Noon, January 12, 1923, for the furnishing and prompt delivery to any part of the City, 30,000 barrels of Portland cement. Contract terminating January 1, 1924. Forms of proposals can be obtained on application.

A certified check for amount stated ($4,800.00) on proposals must accompany each bid as a guaranty of execution of contract.

The Director of Public Works reserves the right to reject any and all bids.

ALLEN J. SAVILLE
Director of Public Works.

Contractors Everywhere Read These Advertisements

to see where bids are desired on contracts suited to their available plant and organization. The suggestion is therefore made to advertisers that they word their advertisements so that the contractor will get a good idea of the size and kind of work to be let, and perhaps the plant needed. This should result in an increased number of desirable bidders.

Bids: Jan. 12.

Highway Work

Albany, N. Y.

Sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., at one o'clock p.m., on Friday, the twelfth day of January, 1923, for the improvement of highways in the following counties:

Allegany	(one highway)	2.11)
Cattaraugus	(two highways)	1.97 & 7.63)
Cayuga & Tompkins	(one highway)	2.80)
Oneida	(one highway)	2.75)
Ontario	(one highway)	0.41)
Rensselaer	(one highway)	4.89)
Rockland	(one highway)	3.69)
Steuben	(one highway)	5.22)
Ulster	(one highway)	5.51)

Also for the reconstruction of the following:

Fulton	(one contract)	1.50)
Rensselaer	(one contract)	2.42)

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, N. Y., and also at the office of the division engineers in whose division the roads are to be improved or reconstructed. The addresses of the division engineers and the counties in which they are in charge will be furnished upon request.

The especial attention of bidders is called to "General Information for Bidders" in the itemized proposal, specifications and contract agreement.

HERBERT S. SISSON,
Commissioner.

J. C. FINCH,
Secretary.
State Commission of Highways.

OFFICIAL PROPOSALS

Bids: Jan. 15.

Bulkhead

Jersey City, N. J.

Sealed proposals will be received by the Hudson County Park Commission at its office, 1 Exchange Place, Jersey City, N. J., on Monday, January 15th, 1923, at 11 o'clock a.m., for the construction of a Bulkhead at West Side Park, Jersey City, N. J., and work connected therewith in accordance with plans and specifications on file at the office of the Hudson County Park Commission.

Blank form of bid showing estimate of quantities must be obtained at the office of the Hudson County Park Commission.

Each bidder must accompany his bid with a certified check drawn to the order of the Hudson County Park Commission to the amount of 5% of his bid.

The successful bidder will be required to furnish a surety company's bond to be approved by the Hudson County Park Commission in the full amount of his bid with satisfactory security conditioned for the faithful performance of his contract.

There shall be two contracts ,the original and copy which shall first be signed and executed by the successful bidder and presented to the Hudson County Park Commission for signature.

Bids must be enclosed in sealed envelopes indorsed "Proposals for Bulkhead and Reclamation, West Side Park, Jersey City, N. J.," directed to the Hudson County Park Commission and delivered to the Secretary of the Commission at or before the hour above specified. The Commission reserves the right to reject any or all bids.

Dated: December 18, 1922.

Hudson County Park Commission.
BY JOSEPH FILORAMO, JR.,
Secretary.

Bids: Jan. 23.

Paving

Laredo, Texas.

Sealed proposals will be received by the City Council of Laredo, Texas, at the office of the Mayor, City Hall, until 4:45 p.m., January the 23rd, 1923, for approximately one hundred and twenty thousand (120,000) sq. yds. of paving.

Bids will be received on the following types of paving:

Bitulithic, Limestone Rock Asphalt, Sheet Asphalt, Vitrified Brick and Two Course Concrete.

Plans and specifications may be seen at the office of S. F. Crecelius, Paving Engineer, Puig Building, Laredo, Texas, after January the 1st, 1923.

Bids will be publicly opened and read at 5 p.m., January the 23rd, and the award, if any, will be made after considering bids in connection with the relative values of the different types of paving.

Payment for the city's share of the work will be made monthly in cash for eighty-five (85%) per cent of the work done. Payment for the amount assessed against abutting property will be one-sixth (1/6) cash on completion and balance in five (5) annual payments on improvement certificates bearing interest at seven per cent (7%) per annum.

L. VILLEGAS, Mayor.